

AOCNS 2023

4th Asia-Oceania Conference on Neutron Scattering

PROGRAM BOOKLET

🕒 Dec 02-08, 2023 📍 Dongguan, China.

Proudly hosted by

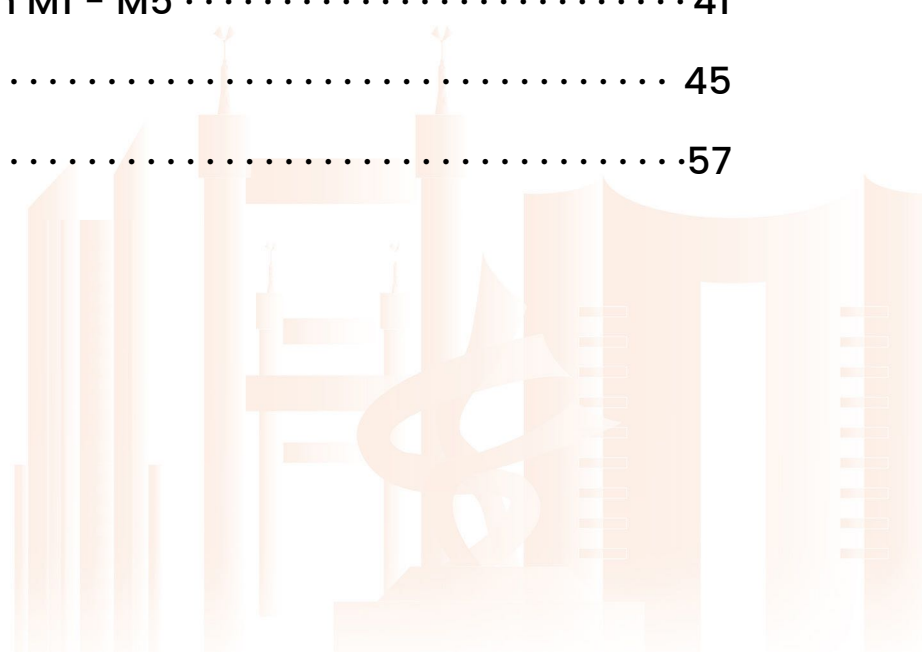


Sponsors



Table of Contents

WELCOME	01
COMMITTEE	03
DELEGATE INFORMATION.....	05
PROGRAM OVERVIEW	09
• Program Sorted By Day DEC.2-3	11
• Program Sorted By Day DEC.4	13
• Program Sorted By Day DEC.5	17
• Program Sorted By Day DEC.6	21
• Program Sorted By Day DEC.7.....	25
• Program Sorted By Day DEC.8	29
• Program Sorted By Session M1	31
• Program Sorted By Session M2.....	33
• Program Sorted By Session M3.....	35
• Program Sorted By Session M4.....	37
• Program Sorted By Session M5.....	39
• Scientific Poster Session M1 – M5	41
PARTICIPANT LIST	45
SPONSORS	57



Welcome to the 4th Asia-Oceania Conference on Neutron Scattering—President of AONSA

On behalf of all the Asia-Oceania Neutron Scattering Association (AONSA) committee members, I would like to welcome all the participants of the 4th Asia-Oceania Conference on Neutron Scattering (AOCNS 2023) in Dongguan, China. First of all, I would like to thank all the local and international organizing/program committees, as well as the host society, the Chinese Neutron Scattering Society (CNSS), for their hard work and perseverance to realize this conference at this difficult time.

The AOCNS 2023 follows the successful series of the AOCNSs in the past, starting from the 1st AOCNS in Tsukuba, Japan (2011), 2nd in Sydney, Australia (2015), and the 3rd in Kenting, Taiwan (2019). The 1st AOCNS was held at the timing that two major facilities in the region, J-PARC and ANSTO, were in their early stages. Nowadays, those two facilities grow and provide a full-scaled opportunities for the international neutron-scattering communities, which are to be celebrated by all the members of AONSA. Additions of the new facilities, such as CSNS, CARR and CMRR, together with the restart and continuous operation of JRR-3, are also highly acknowledged developments. With all the other facilities operating in this region, opportunity of neutron scattering research is monotonically increasing, which is a truly rare case in the other part of the world, and I would like to thank all the facilities for their invaluable efforts for continuous operation. Last a few years were not the optimal timing for the neutron research; due to the COVID pandemic, the international in-person collaborations were almost discontinued if not at all. This would have most affected the younger generation who is at the career stage of widening their collaboration network. The world, unfortunately, is still relatively unstable due to several reasons. Nonetheless, I believe our efforts to reinstate international communications, such as having AOCNS in-person, will definitely benefit for the future of neutron scattering community in the Asia-Oceania region. For this reason also, I would like to thank again all the participants for joining AOCNS, and wish you all will enjoy scientific and social activities during the conference and in future.

Taku J Sato

President of Asia-Oceania Neutron Scattering Association

Welcome to the 4th Asia-Oceania Conference on Neutron Scattering—President of CNSS, Conference Chair of AOCNS 2023

It is my utmost honor and pleasure that we are able to host the forth Asia-Oceania Conference on Neutron Scattering, here in Dongguan China. I, on behalf of the Chinese Neutron Scattering Society, as well as the Local/Chinese Organizing Committee of AOCNS2023, offer my sincere thanks to the Asia-Oceania Neutron Scattering Association for their continued support for the conference, and I would like to show my warmest welcome to all experts and delegates joining us at AOCNS 2023.

The Chinese Neutron Scattering Society, a member of AONSA, was formally established as a branch of the Chinese Physical Society in 2012. The members are made up from the teams of the three major neutron scattering facilities in China, as well as the facility users who engaged in the research and application of neutron-scattering sciences, coming from over 500 Chinese research groups totaling in more than 2200 users. Out of the three major neutron scattering facilities in China, we have two reactor-based sources, which are the China Advanced Research Reactor in Beijing, and the China Mianyang Research Reactor in Mianyang. The China Spallation Neutron Source, built and commissioned in 2018, is the first spallation neutron source in China, which is the host institution of AOCNS 2023 in Dongguan. In recent years, following the continued development of CSNS, we have witnessed a rapid growth of both technical development and usage of neutron scattering in China. With the construction of new neutron beamline instruments, and the continued development of new experimental techniques, we have seen both a continued expansion of neutron scattering user base in China, as well as a great increase in collaboration with international users of Chinese neutron sources, which allows us to contribute on the technical development and usage of neutron scattering in the international community.

The pursuit of scientific development lays hand-in-hand with international collaboration, and I hope that under the coordination and guidance of AONSA, we have an even greater degree of collaborating between international experts and Chinese neutron facilities. Once again, I would like to offer my sincere thanks to AONSA for the continued guidance and support of CNSS, I hope every delegate will have an unforgettable time during the AOCNS 2023 conference, and I look forward to a fulfilling conclusion to AOCNS 2023.

Thank you for attending!

Hesheng CHEN

Conference chair of AOCNS 2023

Chair of the International Organizing Committee

Conference Chair: Hesheng CHEN

International Advisory Committee

- Hesheng CHEN
- Dongfeng CHEN
- Hsiung CHOU
- Jae-Ho CHUNG
- Yoshie OTAKE
- Sungkyun PARK
- Edy Giri Rachman PUTRA
- Taku J. SATO
- Jamie SCHULZ
- Chris WENSRICH
- S. M. YUSUF

Local Organizing Committee

- Hesheng CHEN (Chair)
- Tianjiao LIANG (Co-Chair)
- Fangwei WANG (Co-Chair)
- Jie CHEN
- He CHENG
- Erxi FENG
- Boyang GU
- Anucha KOEDTRUAD
- Takashi KAMIYAMA
- Lin LI
- Junwei LI
- Ping MIAO
- Xin TONG
- Shengxiang WANG
- Yanyan WANG
- Li WANG
- Wu XIE
- Zhen YANG
- Wen YIN
- Junrong ZHANG

International Program Committee

- Xunli WANG (Chair)
- Ping MIAO (Secretary)
- Soo-Hyung CHOI
- Hazuki FURUKAWA
- Evvy KARTINI
- Satoshi KOIZUMI
- Soo Yeol LEE
- Agustinus Agung NUGROHO
- Vanessa PETERSON
- Anna SOKOLOVA
- Fangwei WANG
- Chun Chuen YANG
- S. M. YUSUF

Local Program Committee

- Jie CHEN
- Xiangqiang CHU
- Songbai HAN
- Liang HONG
- Chaoqiang HUANG
- Shiliang LI
- Tianfu LI
- Xiangfeng LIU
- Dong MA
- Kai SUN
- Xuewu WANG
- Yandong WANG
- Meng WANG
- Yin'guo XIAO
- Jinbo YANG
- Jinkui ZHAO
- Shengyi ZHONG

Instrument Scientist Workshop Committee

Section 1. Neutron Diffraction

- Takashi KAMIYAMA
- Ping MIAO
- Erxi FENG

Section 2. Inelastic Neutron Scattering

- Kenji NAKAJIMA
- Dehong YU
- Qingyong REN

Section 3. Small Angle Neutron Scattering

- Satoshi KOIZUMI
- Yun LIU
- Aurel RADULESCU
- Anna SOKOLOVA

Section 4. Neutron Reflectometry

- Stephen HOLT
- Tao ZHU

Section 5. Engineering Diffraction & Neutron Imaging

- Xunli WANG
- Jie CHEN
- Xiaohu LI
- Takenao SHINOHARA

DELEGATE INFORMATION

Dec 02-08 2023

Conference and Workshop Venue

The AOCNS 2023 conference and workshop will be held at the Royal Garden Hotel-Dongguan. Please see the details below:

Address: No.769 Meijing Road, Dalang Town, Dongguan City, Guangdong Province, China
Tel: 86-769-83122222

Web: <http://www.royalgardenhotel.com.cn/en-us/index.html>

Travelling to Dongguan

The AOCNS 2023 Local Organization Committee (LOC) will arrange either shuttle bus or other means of transport from and to the three nearby airports (Estimated travel time: Guangzhou-2 hours, Shenzhen-1 hour, Hong Kong-2.5 hours). While the LOC will coordinate with the delegates the best we can, we would ask the delegates to please plan your travel time accordingly, especially on the day for departure.

Please see link below for up-to-date travel information, including shuttle bus timetable, as well as guides to other means to reach the hotel (railway, ferry, and guides to use taxi in China).

<http://aocns2023.ihep.ac.cn/06-aocns-venue.html>

Emergency Contact

In case of emergency please remember that the different emergency services use different phone numbers. The LOC strongly recommend bringing any emergency to the attention of staff members to contact emergency services on your behalf.

Ambulance: 120 Police: 110 Fire 119

Conference Exhibition

The conference exhibition, where the poster presentations and sponsors are displayed, will be held on the ground (first) floor, before the entrances of the conference halls. The LOC encourage our delegates to hold discussions on the exhibition floor.

WiFi Connection

Please use the following guide to connect to the hotel WiFi:

1. Please select the "Royalhotel" network on your WiFi settings.

2. You'll be forwarded to a login page on your browser (<http://172.32.12.254>). Please tap the person emoji to login using password.

3. Please use the following credentials to login into WiFi (all lower case, followed by three numbers).

Account: **p005**

Password: **hotel005**

Registration

Registration will be open from the Saturday 2nd of December onwards. Please see below for details.

Second floor, hotel lobby	
Saturday 2nd of December	9:00-20:00
Sunday 3rd of December	9:00-20:00
Monday 4th of December	8:30-20:00
Tuesday 5th of December	8:30-20:00
Wednesday 6th of December	8:30-20:00
Thursday 7th of December	8:30-20:00

Tour in Dongguan

The LOC offers our delegate a tour of Dongguan city on the Friday 8th of December, thanks to the support from the Dongguan Government. The tour starts with Cantonese traditional brunch, Yum Cha, followed by a visit of Nanshe Ming and Qing Dynasty Ancient Village in Dongguan city. Please join us at the hotel lobby at 11:00, where the LOC will assign tour groups. More information of the attraction can be found on AOCNS website.

<http://aocns2023.ihep.ac.cn/06-aocns-attractions.html>

Welcoming Reception and Banquet

The welcome reception for AOCNS 2023 will be held on Sunday 3rd of December at the International Conference Hall, ground (first) floor of the hotel, between 18:30-20:00.

The Conference Banquet will be at Xingjiayuan seafood restaurant (outside the hotel) held after CSNS tour, on the Tuesday, 5th of December. The delegates who join the CSNS tour will set off by shuttle bus directly for the restaurant after the tour. The LOC asks that the delegates not participating in the CSNS tour make their way to the hotel lobby on the second floor for shuttle bus. Buses will depart from the hotel at 18:00. Shuttle buses will take delegates back to the hotel at the conclusion of the banquet.

Tour in CSNS

Delegates will have a chance to visit the China Spallation Neutron Source on the Tuesday, 5th of December. Please join us at the hotel lobby at 15:15, where the LOC will assign tour groups to visit CSNS. Visitors to CSNS will head directly to the Conference Banquet from CSNS.

Courtesy

The LOC asks for all delegates to be courteous to all conference attendees. Please silence your electronic devices (such as mobile phones) during a presentation. Please also respect the wishes of delegates that do not want their presentation photographed or published on public websites/social media. The LOC thank you for your understanding.

Medical Care and First Aid

The Local Organization Committee (LOC) will provide medical care and first aid onsite for the duration of the conference (2nd-8th of December, 09:00-18:00). Please find our medical staff in conference room 6, on the ground (first) floor of the hotel.

Conference Rooms

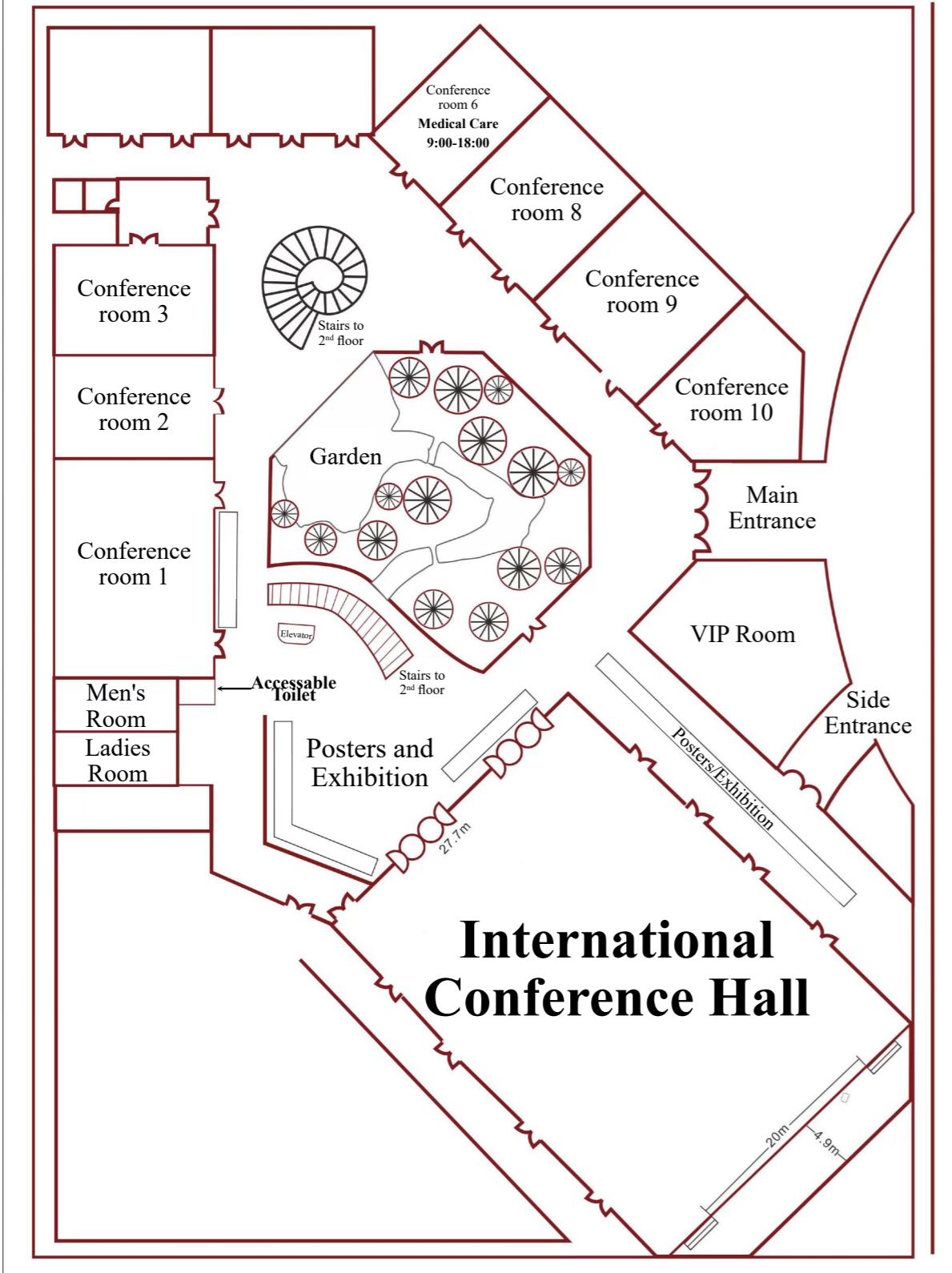
The conference rooms are split across the 5 conference and workshop stream. All conference rooms can be found on the ground (first) floor of the hotel, and dinner will be served on the second floor of the hotel.

Ground (first) floor, Conference Rooms		
Facility Directors Meeting		Room 2
Executive Committee Meeting		Room 2
Instrument scientist workshop	N1: Neutron Diffraction	Room 1
	N2: Inelastic Neutron Scattering	Room 3
	N3: Small Angle Neutron Scattering	Room 8
	N4: Neutron Reflectometry	Room 10
	N5: Engineering Diffraction & Neutron Imaging	Room 9
Opening/Plenary Presentation/AONSA Prize Ceremony/Facility report		International Conference Hall
Scientific parallel sessions	M1: Condensed Matter Physics	Room 1
	M2: Materials Science and Chemistry	Room 8
	M3: Soft Matter and Life Science	Room 9
	M4: Engineering and Industrial Applications	Room 2
	M5: Fundamental Physics, Sources, Methods and Technique	Room 3

DELEGATE INFORMATION

Dec 02-08 2023

Royal Garden Hotel-Dongguan, Ground (First) Floor Layout



PROGRAM OVERVIEW

Dec 02-08 2023

The conference consists of **one prize talk, six plenary talks (PLs)** and two series of parallel sessions, i.e., five scientific sessions **M1-M5**, and five **instrument scientist workshop (ISW)** sessions **NI-N5**. Each scientific session consists of **Keynote talks (KTs)**, **Invited talks (ITs)** and **Contributed talks (CTs)**. In addition to that, **Facility director meeting (FDM)**, **Executive Committee Meeting (ECM)**, as well as **Facility report (FL)** are arranged.

The Conference will be held at the Dongguan Royal Garden Hotel. The assembly room for different sessions are arranged as following:

- **AONSA prize talk (on Dec. 6; International Conference Hall)**
- **Plenary talks (from Dec. 4-Dec. 7; International Conference Hall)**
- **Facility director meeting (FDM) (on Dec. 3; Conference Room 2)**
- **Instrument scientist workshop (on Dec. 3):**
 - N1. Neutron Diffraction (Conference Room 1)
 - N2. Inelastic Neutron Scattering (Conference Room3)
 - N3. Small Angle Neutron Scattering (Conference Room 8)
 - N4. Neutron Reflectometry (Conference Room 10)
 - N5. Engineering Diffraction & Neutron Imaging (Conference Room 9)
- **Executive Committee Meeting (ECM) (on Dec. 3; Conference Room 2)**
- **Scientific parallel sessions (from Dec. 4 - Dec. 7):**
 - M1. Condensed Matter Physics (Conference Room 1)
 - M2. Materials Science and Chemistry (Conference Room 8)
 - M3. Soft Matter and Life Science (Conference Room 9)
 - M4. Engineering and Industrial Applications (Conference Room 2)
 - M5. Fundamental Physics, Sources, Methods and Technique (Conference Room 3)
- **Facility Report (on Dec. 7; International Conference Hall)**

● Presentation type	Presentation length (note that the additional 5 minutes are for question and answer)
Plenary presentation (PL)	40 minutes + 5 minutes
Facility report (FL)	25 minutes + 5 minutes
Keynote presentation (KT)	30 minutes + 5 minutes
Invited talk (IT)	20 minutes + 5 minutes
Contributed talk (CT)	15 minutes + 5 minutes

Dec.2	Registration	
Dec.3	8:30-12:00	Registration/Facility Directors Meeting
	12:00-14:00	Lunch
	14:00-17:05	INSTRUMENT SCIENTIST WORKSHOP(NI-N5)/Executive Committee Meeting
	17:05-18:30	Free discussions
Dec.4	18:30-20:00	Reception dinner
	8:30-10:00	Opening/Plenary talks-1
	10:30-12:00	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	12:00-14:00	Lunch
	14:00-17:05	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	17:05-18:30	Poster
Dec.5	18:30-20:00	Dinner
	8:30-10:00	Plenary talks-2/Plenary talks-3
	10:30-12:00	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	12:00-14:00	Lunch
	14:00-15:15	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	15:15-18:30	CSNS Tour
Dec.6	18:30-20:00	Dinner
	8:30-10:00	AONSA Prize Ceremony/Plenary talks-4
	10:30-12:00	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	12:00-14:00	Lunch
	14:00-17:05	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	17:05-18:30	Afternoon break
Dec.7	18:30-20:00	Dinner
	8:30-10:00	Plenary talks-5/Facility report-1
	10:30-12:00	Facility report-2/Facility report-3/Facility report-4
	12:00-14:00	Lunch
	14:00-17:05	SCIENTIFIC PARALLEL SESSIONS(M1-M5)
	17:05-18:30	Poster
Dec.8	18:30-20:00	Dinner
	8:30-10:00	Plenary talks-6/Closing
	10:00-20:00	Tour in Dongguan (Supported by the local government)

Program Sorted By Day DEC.2-3

Dec 02-08 2023

	Dec.2	Dec.3					
	Hotel lobby	Hotel lobby			Room2		
8:30-9:15	Registration	Registration			FDM		
9:15-10:00							
10:00-10:30							
10:30-10:55							
10:55-11:20							
11:20-11:40		Lunch					
11:40-12:00		Conference Room 1	Conference Room3	Conference Room8	Conference Room10	Conference Room 9	Conference Room 2
12:00-14:00		N1. Neutron Diffraction (ISW)	N2. Inelastic Neutron Scattering (ISW)	N3. Small Angle Neutron Scattering (ISW)	N4. Neutron Reflectometry (ISW)	N5. Engineering Diffraction & Neutron	ECM
14:00-15:15		Tea break					
15:15-15:55		N1. Neutron Diffraction (ISW)	N2. Inelastic Neutron Scattering (ISW)	N3. Small Angle Neutron Scattering (ISW)	N4. Neutron Reflectometry (ISW)	N5. Engineering Diffraction & Neutron Imaging (ISW)	ECM
15:55-17:05	Free discussions						
17:05-18:30	Reception dinner						
18:30-20:00							

Program Sorted By Day DEC.4

Dec 02-08 2023

Room	International conference hall				
08:30-9:15	Opening/Memorial to John White Chair: Fangwei Wang				
09:15-10:00	Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order				
10:00-10:30	Tea break (Group Photo)				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Jia Ma	M2 (Conference Room 8) Chair: Junliang Sun	M3 (Conference Room 9) Chair: Hideki Seto	M4 (Conference Room 2) Chair: ShiLei Li	M5 (Conference Room 3) Chair: Seiko Ohira-Kawamura
10:30-10:55	IT1 - Clemens Ulrich (Abs. ID: 143) Stability and Scaling Behaviour of Magnetic Skyrmions in Cu ₂ OSeO ₃	IT1 - Xianran Xing (Abs. ID: 177) Magnetic structure in kagomé magnets and Invar phenomenon	IT1 - Aurel Radulescu (Abs. ID: 24) Understanding the morphology of the proton-exchange membranes over an extended length scale between local and long-range characteristic sizes by simultaneous contrast variation small- and wide-angle neutron scattering	IT1 - Stefanus Harjo (Abs. ID: 61) Neutron diffraction analysis method to elucidate deformation mechanisms of metals with multimodal-structures and -deformation modes	IT1: Yoshihisa Ishikawa (Abs. ID: 107) Design and performance of a TOF single crystal diffractometer SENJU at J-PARC
10:55-11:20	IT2 - Taku Sato (Abs. ID: 122) Multi-q spin texture in the hexagonal quantum magnet Yb ₃ Ru ₄ Al ₁₂	IT2 - Jinbo Yang (Abs. ID: 175) Magnetic structures of two-dimensional (2D) van der Waals (vdW) antiferromagnetic (AFM) magnets	IT2 - Panchao Yin (Abs. ID: 125) Functional Molecular Granular Materials	IT2 - Bo Chen (Abs. ID: 191) Characterisation of Residual Stress, Intergranular Strain and Microstructure by Neutron Techniques	IT2: Yuqing Li (Abs. ID: 181) Development of Neutron Optics Devices and Sample Environment at China Advanced Research Reactor
11:20-11:40	CT1 - Jiawang Hong (Abs. ID: 124) Four-phonon induced anomalous thermal conductivity of GeTe	CT1 - Anuha Koedtruid (Abs. ID: 174) Solvent-free mechanochemical synthesis of organic proton conducting salts incorporating imidazole and dicarboxylic acids	CT1 - Zhuo Liu (Abs. ID: 10) Combining neutron scattering and selective deuteration to study the dynamics of surrounding matrix of soft materials	CT1 - Linfeng He (Abs. ID: 233) The current status of neutron imaging project at CARR	CT1: Le KANG (Abs. ID: 152) High Pressure Instrument at CSNS
11:40-12:00	CT2 - Qingyong Ren (Abs. ID: 72) Complex lattice dynamics and giant phonon anharmonicity in superionic argyrodites	CT2 - Yongquan Zhou (Abs. ID: 55) Solution Structure by X-Ray Neutron Scattering and Its Applications	CT2 - Weizhi Wang (Abs. ID: 195) Screening, characterization and application of self-assembled targeting peptides	CT2 - Jianbo Gao (Abs. ID: 57) Residual stress measurements on dissimilar metal welding pipe for nuclear power plant	CT2: Chihiro Iwamoto (Abs. ID: 102) Development of time-of-flight neutron diffraction technique based on compact neutron source towards stress measurement (withdrawn)
12:00-14:00	Lunch				

Program Sorted By Day DEC.4

Dec 02-08 2023

Scientific Parallel Session	M1 (Conference Room 1) Chair: Arsen Goukassov	M2 (Conference Room 8) Chair: Xianran Xing	M3 (Conference Room 9) Chair: Panchao Yin	M4 (Conference Room 2) Chair: Stefanus Harjo	M5 (Conference Room 3) Chair: Anna Sokolova
14:00-14:35	KT1 - Hsiung Chou (Abs. ID: 65) Manipulation of Spin-Triplet Superconductivity in the YBa ₂ Cu ₃ O ₇ /La _{0.67} Sr _{0.33} MnO ₃ superlattice system	KT1 - Chris Ling (Abs. ID: 47) Structural studies of solid-state ionic conductors at the limits of diffraction and beyond	KT1 - Naved Malek (Abs. ID: 91) Biocompatible Ionic Liquid based Stimuli-Responsive Sof Assemblies for the On-demand Drug Delivery (withdrawn)	KT1 - Takenao Shinohara (Abs. ID: 68) Development and application of pulsed neutron imaging at J-PARC MLF	KT1 - Seiko Ohira-Kawamura (Abs. ID: 151) Upgrade history of cold-neutron disk-chopper spectrometer AMATERAS
14:35-14:55	IT3 - Igor Zobjkalo (Abs. ID: 128) Symmetric and antisymmetric interactions in multiferroic manganites	IT3 - Takashi Ohhara (Abs. ID: 77) Studies of hydrogen bonds in functional molecular crystals by single-crystal neutron diffraction at SENJU	CT3 - Pan Chen (Abs. ID: 185) Small angle neutron scattering studies on wood bio-composites	IT3 - ShiLei Li (Abs. ID: 230) Residual stress measurement of titanium weld blade by neutron and synchrotron X-ray diffraction techniques	CT3: Yukinobu Kawakita (Abs. ID: 144) Present Status on DNA ToF backscattering spectrometer in MLF, J-PARC
14:55-15:15	CT3 - Wu Xie (Abs. ID: 156) Complex magnetic structures in EuPtAs	CT3 - Xingxing Zhang (Abs. ID: 37) Macroscopic and microscopic residual stresses in bronze matrix composite surface deposits manufactured via laser melt injection	CT4 - Hongyu Guo (Abs. ID: 188) Neutron Backscattering Spectrometer (NuBS) at CSNS	CT3 - Xinxiang Yang (Abs. ID: 210) Characterization of the Microstructure of Cement-Casing and Cement-Rock Interfaces Using Nano-CT	CT4: Haitao Hu (Abs. ID: 234) Status of Sample Environment at China Spallation Neutron Source
15:15-15:55	Tea break				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Hsiung Chou	M2 (Conference Room 8) Chair: Toshio Yamaguchi	M3 (Conference Room 9) Chair: Aurel Radulescu	M4 (Conference Room 2) Chair: Bo Chen	M5 (Conference Room 3) Chair: Toru Ishigaki
15:55-16:20	IT4 - Yixi Su (Abs. ID: 215) Neutron scattering studies of magnetic topological Kagome metals	IT4 Asami Sano-Furukawa (Abs. ID: 204) Overview and recent development of PLANET: high-pressure neutron diffractometer at MLF, J-PARC	IT3 - Hideki Seto (Abs. ID: 42) Quasi-Elastic Neutron Scattering Studies on Hydration Water in the Vicinity of Biomolecules and Biocompatible Molecules	IT4 - Guangai Sun (Abs. ID: 227) Recent Progress of Neutron Scattering Instrumentations and Applications in China Mianyang Research Reactor(CMRR)	IT3: Christian Schanzer (Abs. ID: 63) Status of neutron optics using novel concepts and substrate materials
16:20-16:45	IT5 - Michael Smidman (Abs. ID: 140) Coherent magnetic excitations in a topological Kondo semimetal	IT5 - Jie Ma (Abs. ID: 101) Neutron scattering study on the phonon spectra of the low thermal conductivity systems	IT4 - Liang Hong (Abs. ID: 153) Universal dynamical transition of hydration water	IT5 - Runxia Li (Abs. ID: 206) Effect of heat treatment and Er element on the microstructure and properties of AlSiMg alloy prepared by SLM forming	IT4: Hodaka Kikuchi (Abs. ID: 119) Development of next-generation triple-axis spectrometer HODACA in JRR-3
16:45-17:05	CT4 - Peng Cheng (Abs. ID: 44) FeGe _{1-x} Sbx: a series of novel kagome metals with noncollinear antiferromagnetism	CT4 - Tatiana Verzhinina (Abs. ID: 115) In situ neutron-diffraction studies of structural-phase transitions in Fe-xGa alloys on High Resolution Fourier Diffractometer	CT5 - Jiang Xin (Abs. ID: 167) The structure change of SARS-CoV-2 nsp8 studied by Small Angle scattering	CT4 - Xin Xu (Abs. ID: 232) Nanostructure of Phase Separation in Stainless Steels Studied by SANS	CT5: Baihua Wang (Abs. ID: 66) Current status of a newly high-resolution stress and texture neutron diffractometer HETU at China Mianyang Research Reactor(withdrawn)
17:05-18:30	Poster				
18:30-20:00	Dinner				

Program Sorted By Day DEC.5

Dec 02-08 2023

Room	International conference hall				
8:30-9:15	<p>Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source (CSNS)</p>				
9:15-10:00	<p>International conference hall Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets</p>				
10:00-10:30	Tea break				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Yixi Su	M2 (Conference Room 8) Chair: Chris Ling	M3 (Conference Room 9) Chair: Howard Wang	M4 (Conference Room 2) Chair: Fengyan Zhao	M5 (Conference Room 3) Chair: Jie Chen
10:30-10:55	<p>IT6 - Jun Zhao (Abs. ID: 103) Spin correlations in van der Waals ferromagnet VI3</p>	<p>IT6 - Kanta Ono (Abs. ID: 160) Neutron measurement and analysis with machine learning</p>	<p>IT5 - Stephen Holt (Abs. ID: 46) Cholesterol Content of Model Bilayers: Is it Really What we Expect ? Answers from Neutron Reflectometry.</p>	<p>IT6 - Gang Wang (Abs. ID: 229) Reconfigurable lattices in a high-entropy alloy with three-dimensional honeycomb cellular regions</p>	<p>IT5: Haiyang Yan (Abs. ID: 150) Polarized neutrons, polarized 3He, and new physics beyond the Standard Model</p>
10:55-11:20	<p>IT7 - Arsen Goukassov (Abs. ID: 12) Polarized Neutron Diffraction: A Key Tool to Probe Spin Density and Local Anisotropy in Magnetic Materials</p>	<p>IT7 - Yinguo Xiao (Abs. ID: 87) Investigation on the structural properties of cathode materials based on neutron scattering methods</p>	<p>IT6 - Weichao Shi (Abs. ID: 120) Electrostatic Interactions in Salt-Doped Polymers Revealed by Scattering Experiment and Theoretical Analysis</p>	<p>IT7 - Feng Xu (Abs. ID: 226) Internal mechanical mechanisms and materials design</p>	<p>IT6: Takashi Ino (Abs. ID: 106) Polarized 3He neutron spin filters at J-PARC</p>
11:20-11:40	<p>CT5 - Sungkyun Park (Abs. ID: 31) Studying magnetic-depth profile of FeRh films by polarized neutron reflectometry</p>	<p>CT5 - Xiaoyan Yang (Abs. ID: 134) Oxide Ion Conducting Materials Containing Tetrahedral Moieties: Structures and Conduction Mechanisms</p>	<p>CT6 - Hanqiu Jiang (Abs. ID: 182) In-situ observation of structural transformation of photo-responsive materials with small-angle neutron scattering</p>	<p>CT5 - Hang Li (Abs. ID: 211) Progress of Neutron Imaging at Institute of Nuclear Physics and Chemistry</p>	<p>CT6: Tianhao Wang (Abs. ID: 184) Status of polarized neutron in-house development at the China Spallation Neutron Source</p>
11:40-12:00	<p>CT6 - Xiaozhi Zhan (Abs. ID: 82) Probing the noncollinear interlayer coupling in NiFe/NiO/NiFe trilayers using polarized neutron reflectivity</p>	<p>CT6 - Sergey Grigoriev (Abs. ID: 21) Hierarchy of interactions in Dzyaloshinski-Moriyahelimagnets and skyrmion lattice</p>	<p>CT7 - Zhenhua Xie (Abs. ID: 190) The in-situ tensile apparatus in small angle neutron diffractometer at China Spallation Neutron Sources and its application in different materials</p>	<p>CT6 - Guiyi Wu (Abs. ID: 60) Study on the distribution law of welding residual stress under elastic stability</p>	<p>CT7: Vladislav Syromyatnikov (Abs. ID: 58) The possibilities of a compact neutron supermirror transmission polarizer</p>

Program Sorted By Day DEC.5

Dec 02-08 2023

12:00-14:00	Lunch				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Haifeng Li	M2 (Conference Room 8) Chair: Kanta Ono	M3 (Conference Room 9) Chair: Stephen Holt	M4 (Conference Room 2) Chair: Gang Wang	M5 (Conference Room 3) Chair: Vadim Skoy
14:00-14:35	KT2 - Pascale Foury-Leykian (Abs. ID: 59) Quantum materials under extreme conditions: a neutron scattering investigation	KT2 - Amit Kumar (Abs. ID: 52) Microscopic and mesoscopic understanding of magnetization reversal phenomenon by neutron diffraction and neutron depolarization	KT2 - Tomoko Hirayama (Abs. ID: 81) Neutron Scattering for Understanding Tribology	KT2 - Soo Yeol Lee (Abs. ID: 49) Fatigue Properties of Entropy Alloys Manufactured by Hot-Rolling and Additive Manufacturing	KT2 - Anna Sokolova (Abs. ID: 89) Bilby – and Australian time-of-flight Small Angle Neutron Scattering instrument: its complexity, benefits and successful stories
14:35-14:55	IT8 - Miwako Takahashi (Abs. ID: 104) Phase Transitions of the Lead-Free Methylammonium Tin Halide Perovskites $MASnX_3(X=I,Br)$	IT8 - Fengxia Hu (Abs. ID: 172) Neutron study on magnetocaloric and abnormal thermal expansion materials	CT8 - Che-Yi Chu (Abs. ID: 130) Nanoparticle dispersion in PMMA/SiO ₂ nanocomposite films studied using the small-angle X-ray and neutron scattering	IT8 - Fengyan Zhao (Abs. ID: 225) The archaeometallurgical study on metal arrows through non-destructive neutron techniques	IT7: Jianrong Zhou (Abs. ID: 193) Status of the neutron detectors for instruments at China Spallation Neutron Source
14:55-15:15	CT7 - Arpita Rana (Abs. ID: 73) Field induced phase transitions in NiNb ₂ O ₆ single crystal	CT7 - Sihao Deng (Abs. ID: 162) Spin dependent electronic transport properties of Mn-based antiperovskites	CT9 - Zehua Han (Abs. ID: 163) The investigation for static structures and dynamical behaviors for polystyrene during glass transition	CT7 - Qian Wang (Abs. ID: 200) Optimization of Titanium Alloy Materials, Processes, and Service Performance for Deep-sea Pressure Shell Based on Neutron Method	CT8: Ping Wang (Abs. ID: 157) The progress of neutron chopper development for CSNS
15:15-15:55	CSNS Tour				
15:55-18:30					
18:30-20:00	Banquet				

Program Sorted By Day DEC.6

Dec 02-08 2023

ROOM	International conference hall				
8:30-9:15	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities				
9:15-10:00	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities				
10:00-10:30	Tea break				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Jinsheng Wen	M2 (Conference Room 8) Chair: Yukinobu Kawakita	M3 (Conference Room 9) Chair: Weichao Shi	M4 (Conference Room 2) Chair: Weijia Gong	M5 (Conference Room 3) Chair: Zhijia Sun
10:30-10:55	IT9 - Werner Schweika (Abs. ID: 71) Chiral Spin Liquid Ground State in YBaCo3FeO7	IT9 - Toshio Yamaguchi (Abs. ID: 70) Neutron scattering of aqueous electrolyte solutions in the gigapascal pressure range at J-PARC MLF	IT7 - Sung-Min Choi (Abs. ID: 127) Self-Assembly of Colloidal Nanoparticles into Supercrystals	IT9 - Si Lan (Abs. ID: 80) In-situ neutron scattering study of plastic deformation mechanism in a high-entropy alloy with nanoscale structure heterogeneity	IT8: Changqing Feng (Abs. ID: 199) A Flexible Electronics System for the Readout of MTPC and MCP Detectors at CSNS Back-n
10:55-11:20	IT10 - Shang Gao (Abs. ID: 109) Geometric approaches to spiral spin liquids	IT10 - Bing Li (Abs. ID: 173) Neutron scattering study of barocaloric materials	IT8 - Zhi Luo (Abs. ID: 114) Understanding the molecularly heterogeneous interfaces of nanoparticles	IT10 - Xiaolong Liu (Abs. ID: 96) Introduction to the Engineering and Scientific Stress Diffractometer at China Advanced Research Reactor and its application	IT9: Shifeng Zhou (Abs. ID: 197) Photonic glass and fiber for radiation detection
11:20-11:40	CT8 - Wentao Jin (Abs. ID: 112) Neutron diffraction studies of a spin supersolid candidate with giant magnetocaloric effect	CT8 - Wanghay Kan (Abs. ID: 165) Local structural features of medium-entropy garnet with ultra-long cycle life	CT10 - Mu Li (Abs. ID: 166) A high performance small-angle scattering simulation method with GPU acceleration	CT8 - Xiaohu Li (Abs. ID: 161) The new Engineering Material Diffractometer (EMD) at China Spallation Neutron Source CSNS	CT9: Hongbin Liu (Abs. ID: 221) Advancements in Readout Electronics for the Detector of Neutron Instruments at China Spallation Neutron Source
11:40-12:00	CT9 - Hao Deng (Abs. ID: 203) Single-crystal neutron diffraction studies on the frustrated quasi-two-dimensional magnet	CT9 - Enyue Zhao (Abs. ID: 171) Structure Evolutions in Layered Oxide Cathodes	CT11 - Mengze Lu (Abs. ID: 196) Mechanism study on the structural and mechanical properties of triblock copolymer hydrogels using in situ SAXS and SANS	CT9 - Lijiu Wang (Abs. ID: 22) High-precision neutron diffraction measurement using an industrial robot at the STRESS-SPEC instrument	CT10: Hongxia Zhang (Abs. ID: 9) Highly aligned pyrolytic graphite blades for focusing monochromator and analyzer
12:00-14:00	Lunch				

Program Sorted By Day DEC.6

Dec 02-08 2023

Scientific Parallel Session	M1 (Conference Room 1) Chair: Pascale Foury-Leylekian	M2 (Conference Room 8) Chair: Cong Wang	M3 (Conference Room 9) Chair: Zhi Luo	M4 (Conference Room 2) Chair: Si Lan	M5 (Conference Room 3) Chair: Anton Stampfl
14:00-14:35	KT3 - Shiliang Li (Abs. ID: 26) Possible Dirac quantum spin liquid in a kagome antiferromagnet	KT3 - Wen Yin (Abs. ID: 92) The preparation and irradiation effect of advanced materials for spallation/fusion materials	KT3 - Ya-Sen Sun (Abs. ID: 51) Probing Block Copolymer/Homopolymer Blend Films by Grazing-Incidence Small Neutron Scattering and Neutron Scattering	KT3 - E-wen Huang (Abs. ID: 86) Using Neutron Diffraction Investigating Fatigue Behavior of Advanced Metallic Systems	KT3 - Kenji MISHIMA (Abs. ID: 169) Fundamental physics with neutrons
14:35-14:55	CT10 - Zhen Tao (Abs. ID: 50) Coexisting magnons and fractionalized spin excitations in partially magnetized quantum spin liquid candidate NaYbSe ₂	IT11 - Jiangnan Li (Abs. ID: 198) Abatement of air pollution by porous materials	CT12 - Alexey Shvetsov (Abs. ID: 158) Complementary use of molecular dynamics, SANS and SAXS methods	IT11 - Jie Chen (Abs. ID: 219) Construction and application progress of Energy Resolved Neutron Imaging Instrument (ERNI) of CSNS	IT10: Vadim Skoy (Abs. ID: 39) About a Test of the Relativity Principle in a Free Neutron Beta-Decay
14:55-15:15	CT11 - Alexander Kurbakov (Abs. ID: 16) Neutron Diffraction of Quasi-two-dimensional Honeycomb and Triangular Lattice Frustrated Magnets	CT10 - Vasilii Matveev (Abs. ID: 88) Study of 3d transition metal thin films by combination of neutron and X-ray reflectometry	CT13 - Changli Ma (Abs. ID: 48) Introducing a software that uses small-angle neutron scattering experiments to analyze three-dimensional structures at the nanoscale	CT10 - Shengxiang Wang (Abs. ID: 218) Imaging System and CT Algorithm Development in Energy-Resolved Neutron Imaging Instrument (ERNI) of CSNS	CT11: Ming Tang (Abs. ID: 209) Introduce to the data system of CSNS
15:15-15:55	Tea break				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Liusuo Wu	M2 (Conference Room 8) Chair: Minyoung Yoon	M3 (Conference Room 9) Chair: Sungmin Choi	M4 (Conference Room 2) Chair: Xiaolong Liu	M5 (Conference Room 3) Chair: Tianfu Li
15:55-16:20	IT11 - JinSheng Wen (Abs. ID: 33) Explorations of Kitaev Quantum Magnets	IT12 - Yukinobu Kawakita (Abs. ID: 149) Structural Relaxation in Complex Monatomic or Binary Liquids by Means of Coherent QENS, Mode Distribution Analysis and Van Hove Function Analysis	IT9 - Howard WANG (Abs+D18. ID: 132) Multimodal Multiscale Neutron Measurements on Batteries	IT12 - Weijia Gong (Abs. ID: 93) Neutron imaging of hydrogen in nuclear fuel claddings	IT11: Evgenii Altynbaev (Abs. ID: 8) Development of neutron instrument components by NRC "KURCHATOV INSTITUTE" - PNPI
16:20-16:45	IT12 - Zhendong Fu (Abs. ID: 98) Neutron scattering study on low-temperature spin dynamics of molecular magnets	IT13 - Jianrong Gao (Abs. ID: 41) Revisit to crystal and magnetic structure of La(Fe,Si) ₁₃ and La(Fe,Co,Si) ₁₃ using powder neutron diffraction	IT10 - Long Ye (Abs. ID: 78) Unraveling the solution aggregation structure of conjugated polymer blends	IT13 - Zhiliang Hu (Abs. ID: 231) Atmospheric neutron irradiation spectrometer and its industrial application	CT12: Haiyun Teng (Abs. ID: 244) A Generic High-Performance Framework for Neutron Spectrometers Data Flow Based on the Distributed Stream-Processing Platform
16:45-17:05	CT12 - Zheng Zhang (Abs. ID: 214) Anisotropic exchange coupling, ground state, and magnetic field effect of Kitaev compound YbOCl	CT11 - Chengyi Yu (Abs. ID: 180) Superior zero thermal expansion alloy via "plum pudding" architecture	IT11 - Dong Liu (Abs. ID: 35) Contrast variation and in situ SANS studies on the correlation between properties and hierarchical structures of filled rubber	CT11 - Wenli Song (Abs. ID: 238) Probing deformation behavior of the TiZrHfNb-based refractory high-entropy alloys using in-situ neutron diffraction	CT13: Vladimir Voronin (Abs. ID: 11) Reactor PIK complex
17:05-18:30	Afternoon break				
18:30-20:00	Dinner				

Program Sorted By Day DEC.7

Dec 02-08 2023

ROOM	International conference hall
8:30-9:15	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron Reflectometry
9:15-10:00	Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source
10:00-10:30	Tea break
10:30-12:00	FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility
12:00-14:00	Lunch

Program Sorted By Day DEC.7

Dec 02-08 2023

Scientific Parallel Session	M1 (Conference Room 1) Chair: Shiliang Li	M2 (Conference Room 8) Chair: Takashi Kamiyama	M3 (Conference Room 9) Chair: Xiangqiang Chu	M4 (Conference Room 2) Chair: Yanxu Wang	M5 (Conference Room 3) Chair: Kenji Mishima
14:00-14:35	KT4 - Maiko Kofu (Abs. ID: 40) Localized magnetic excitations in classical spin glasses	KT4 - Genki Kobayashi (Abs. ID: 142) Hydride ion conducting materials	KT4 - Xinhui Lu (Abs. ID: 56) Bulk heterojunction morphology of organic photovoltaics – a study based on grazing-incidence X-ray and neutron scattering	KT4 - Maxim Avdeev (Abs. ID: 136) Engineering and Industrial Research at the Australian Centre for Neutron Scattering	KT4 - Wei Bao (Abs. ID: 76) A complimentary suite of cold neutron inelastic spectrometers designed for new materials research
14:35-14:55	IT13 - Liusuo Wu (Abs. ID: 126) Quantum Magnetism in Rare-earth Perovskites	IT14 - Minyoung YOON (Abs. ID: 139) Application of Neutron Beams in Porous Materials' Research	CT14 - Guoming Liu (Abs. ID: 187) Conformation and aggregation of conjugated polymers in solution	IT14 - Juan Mu (Abs. ID: 222) The influence of fractal structure on the deformation mechanism of Ti alloy	IT12: Anton Stampfl (Abs. ID: 36) A semiempirical Hartree Fock method to calculate the neutron scattering function
14:55-15:15	CT13 - Benqiong Liu (Abs. ID: 205) Phase transitions and unusual excitations in selected strongly-correlated f electron compounds	CT12 - Kuo Li (Abs. ID: 189) Pressure-induced polymerization of organic molecular crystals	CT15 - He Cheng (Abs. ID: 154) The multi-slit very small angle neutron scattering instrument in China Spallation Neutron Source	CT12 - Liangliang Wei (Abs. ID: 217) Understanding the high-temperature oxidation resistance of heat-resistant austenitic stainless steel with gradient nanostructure	IT13: Tatsushi Shima (Abs. ID: 113) Search for new gravity-like interaction in the sub-micron range with small-angle neutron scattering
15:15-15:55	Tea break				
Scientific Parallel Session	M1 (Conference Room 1) Chair: Maiko Kofu	M2 (Conference Room 8) Chair: Songbai Han	M3 (Conference Room 9) Chair: Long Ye	M4 (Conference Room 2) Chair: Juan Mu	M5 (Conference Room 3) Chair: Christian Schanzer
15:55-16:20	IT14 - Tatsuro Oda (Abs. ID: 111) Features of the neutron resonance spin-echo spectrometer at J-PARC MLF and its application to spin dynamics	IT15 - Ying Sun (Abs. ID: 108) Negative/near zero thermal expansion behavior with wide temperature range in antiperovskite compounds	IT12 - Xiangqiang Chu (Abs. ID: 159) Investigation of Protein Dynamics and its Relation with Enzymatic Activity by Neutron Scattering	IT15 - Yanxu Wang (Abs. ID: 100) Origins of internal stress during phase transformation in carbon steels	IT14: Aurel Radulescu (Abs. ID: 25) 3He neutron PSD prototype for the wide-angle option of the KWS-2 SANS diffractometer with extended Q-range at the Jülich Centre for Neutron Science
16:20-16:45	IT15 - Xiyang Li (Abs. ID: 133) Ising spins in a metallic antiferromagnetic chain	IT16 - Seungyub Song (Abs. ID: 138) Studies on crystal structures and anharmonic thermal vibration of thermoelectric materials Cu ₂ -xS	IT13 - Naisheng Jiang (Abs. ID: 75) Solution Self-assembly of Peptoid Polymers Investigated by Small Angle Scattering	IT16 - Shengchuan Wu (Abs. ID: 228) Neutron diffraction gradient stress measurement and life evaluation of induction hardened railway S38C axles	CT14: Zhenhong Tan (Abs. ID: 242) Physical Design of Radial Collimator for High-Resolution Neutron Diffractometer at China Spallation Neutron Source
16:45-17:05	CT14 - Kaitong Sun (Abs. ID: 202) Magnetic structure and spin wave measurement on rare-earth orthochromite TbCrO ₃	CT13 - Yong Yan (Abs. ID: 213) Neutron powder diffraction for the study of porous materials for adsorption and separation		CT13 - Dandan Zhao (Abs. ID: 141) Time-of-flight neutron diffraction study of residual stress and grain refinement mechanism in rapidly solidified pure Ni	CT15: Liubov Azarova (Abs. ID: 18) Small-angle neutron scattering instruments at the PIK reactor
17:05-18:30	Poster				
18:30-20:00	Dinner				

Program Sorted By Day DEC.8

Dec 02-08 2023

ROOM	International conference hall
8:30-9:15	<p>Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials</p>
9:15-10:00	<p>Closing Chair: Tianjiao Liang</p>
10:00-20:00	<p>Tour in Dongguan (Supported by the local government)</p>

Program Sorted By Session M1

Dec 02-08 2023

	Dec.2	Dec.3	Dec.4	Dec.5	Dec.6	Dec.7	Dec.8	
	Hotel lobby	Room2	International conference hall	International conference hall	International conference hall	International conference hall	International conference hall	
8:30-9:15		FDM/ Registration	Opening/Memorial to John White Chair: Fangwei Wang	Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron reflectometry	Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials	
9:15-10:00			Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order	Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities	International conference hall Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source	Closing Chair: Tianjiao Liang	
10:00-10:30			Tea break	Tea break	Tea break	Tea break		
10:30-10:55			M1 (Conference Room 1) Chair: Jia Ma	M1 (conference Room 1) Chair: Yixi Su	M1 (conference Room 1) Chair: Jinsheng Wen	International conference hall		
10:55-11:20			IT1 - Clemens Ulrich (Abs. ID: 143) Stability and Scaling Behaviour of Magnetic Skyrmions in Cu ₂ OSeO ₃	IT6 - Jun Zhao (Abs. ID: 103) Spin correlations in van der Waals ferromagnet VI ₃	IT9 - Werner Schweika (Abs. ID: 71) Chiral Spin Liquid Ground State in YBaCo ₃ FeO ₇	FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility		
11:20-11:40			IT2 - Taku Sato (Abs. ID: 122) Multi-q spin texture in the hexagonal quantum magnet Yb ₃ Ru ₄ Al ₁₂	IT7 - Arsen Goukassov (Abs. ID: 12) Polarized Neutron Diffraction: A Key Tool to Probe Spin Density and Local Anisotropy in Magnetic Materials	IT10 - Shang Gao (Abs. ID: 109) Geometric approaches to spiral spin liquids			
11:40-12:00			CT1 - Jiawang Hong (Abs. ID: 124) Four-phonon induced anomalous thermal conductivity of GeTe	CT5 - Sungkyun Park (Abs. ID: 31) Studying magnetic-depth profile of FeRh films by polarized neutron reflectometry	CT8 - Wentao Jin (Abs. ID: 112) Neutron diffraction studies of a spin supersolid candidate with giant magnetocaloric effect			
12:00-14:00	Registration		Lunch	Lunch	Lunch		Lunch	
14:00-14:35	N1-N5		Room2	M1 (Conference Room 1) Chair: Arsen Goukassov	M1 (Conference Room 1) Chair: Haifeng Li	M1 (Conference Room 1) Chair: Pascale Foury-Leylekian	M1 (Conference Room 1) Chair: Shiliang Li	Tour in Dongguan (Supported by the local government)
14:35-14:55	ISW		ECM	KT1 - Hsiung Chou (Abs. ID: 65) Manipulation of Spin-Triplet Superconductivity in the YBa ₂ Cu ₃ O ₇ /La _{0.67} Sr _{0.33} MnO ₃ superlattice system	KT2 - Pascale Foury-Leylekian (Abs. ID: 59) Quantum materials under extreme conditions: a neutron scattering investigation	KT3 - Shiliang Li (Abs. ID: 26) Possible Dirac quantum spin liquid in a kagome antiferromagnet	KT4 - Maiko Kofu (Abs. ID: 40) Localized magnetic excitations in classical spin glasses	
14:55-15:15			IT3 - Igor Zobkalo (Abs. ID: 128) Symmetric and antisymmetric interactions in multiferroic manganites	IT8 - Miwako Takahashi (Abs. ID: 104) Phase Transitions of the Lead-Free Methylammonium Tin Halide Perovskites MASnX ₃ (X=I,Br)	CT10 - Zhen Tao (Abs. ID: 50) Coexisting magnons and fractionalized spin excitations in partially magnetized quantum spin liquid candidate NaYbSe ₂	IT13 - Liusuo Wu (Abs. ID: 126) Quantum Magnetism in Rare-earth Perovskites		
15:15-15:55			CT3 - Wu Xie (Abs. ID: 156) Complex magnetic structures in EuPtAs	CT7 - Arpita Rana (Abs. ID: 73) Field induced phase transitions in NiNb ₂ O ₆ single crystal	CT11 - Alexander Kurbakov (Abs. ID: 16) Neutron Diffraction of Quasi-two-dimensional Honeycomb and Triangular Lattice Frustrated Magnets	CT13 - Benqiong Liu (Abs. ID: 205) Phase transitions and unusual excitations in selected strongly-correlated f electron compounds		
15:55-16:20	N1-N5	Room2	M1 (Conference Room 1) Chair: Hsiung Chou	CSNS Tour	M1 (Conference Room 1) Chair: Liusuo Wu	M1 (Conference Room 1) Chair: Maiko Kofu		
16:20-16:45	ISW	ECM	IT4 - Yixi Su (Abs. ID: 215) Neutron scattering studies of magnetic topological Kagome metals		IT11 - JinSheng Wen (Abs. ID: 33) Explorations of Kitaev Quantum Magnets	IT14 - Tatsuro Oda (Abs. ID: 111) Features of the neutron resonance spin-echo spectrometer at J-PARC MLF and its application to spin dynamics		
16:45-17:05			IT5 - Michael Smidman (Abs. ID: 140) Coherent magnetic excitations in a topological Kondo semimetal		IT12 - Zhendong Fu (Abs. ID: 98) Neutron scattering study on low-temperature spin dynamics of molecular magnets	IT15 - Xiyang Li (Abs. ID: 133) Ising spins in a metallic antiferromagnetic chain		
17:05-18:30			CT4 - Peng Cheng (Abs. ID: 44) FeGe _{1-x} Sbx: a series of novel kagome metals with noncollinear antiferromagnetism		CT12 - Zheng Zhang (Abs. ID: 214) Anisotropic exchange coupling, ground state, and magnetic field effect of Kitaev compound YbOCl	CT14 - Kaitong Sun (Abs. ID: 202) Magnetic structure and spin wave measurement on rare-earth orthochromite TbCrO ₃		
18:30-20:00		Free discussions Reception dinner	Poster Dinner		Banquet	Afternoon break Dinner	Afternoon break Dinner	

Program Sorted By Session M2

Dec 02-08 2023

	Dec.2	Dec.3	Dec.4	Dec.5	Dec.6	Dec.7	Dec.8	
	Hotel lobby	Room2	International conference hall	International conference hall	International conference hall	International conference hall	International conference hall	
8:30-9:15		FDM / Registration	Opening/Memorial to John White Chair: Fangwei Wang	Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron reflectometry	Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials	
9:15-10:00			Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order	Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities	International conference hall Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source	Closing Chair: Tianjiao Liang	
10:00-10:30			Tea break	Tea break	Tea break	Tea break	Tea break	
10:30-10:55			M2 (Conference Room 8) Chair: Junliang Sun IT1 - Xianran Xing (Abs. ID: 177) Magnetic structure in kagomé magnets and Invar phenomenon	M2 (Conference Room 8) Chair: Chris Ling	M2 (Conference Room 8) Chair: Yukinobu Kawakita IT9 - Toshio Yamaguchi (Abs. ID: 70) Neutron scattering of aqueous electrolyte solutions in the gigapascal pressure range at J-PARC MLF	International conference hall		
10:55-11:20			IT2 - Jinbo Yang (Abs. ID: 175) Magnetic structures of two-dimensional (2D) van der Waals (vdW) antiferromagnetic (AFM) magnets	IT7 - Yinguo Xiao (Abs. ID: 87) Investigation on the structural properties of cathode materials based on neutron scattering methods	IT10 - Bing Li (Abs. ID: 173) Neutron scattering study of barocaloric materials	FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility		
11:20-11:40			CT1 - Anuha Koedtrud (Abs. ID: 174) Solvent-free mechanochemical synthesis of organic proton conducting salts incorporating imidazole and dicarboxylic acids	CT5 - Xiaoyan Yang (Abs. ID: 134) Oxide Ion Conducting Materials Containing Tetrahedral Moieties: Structures and Conduction Mechanisms	CT8 - Wanghay Kan (Abs. ID: 165) Local structural features of medium-entropy gamet with ultra-long cycle life			
11:40-12:00			CT2 - Yongquan Zhou (Abs. ID: 55) Solution Structure by X-Ray Neutron Scattering and Its Applications	CT6 - Sergey Grigoriev (Abs. ID: 21) Hierarchy of interactions in Dzyaloshinski-Moriyaheligmagnets and skyrmion lattice	CT9 - Enyue Zhao (Abs. ID: 171) Structure Evolutions in Layered Oxide Cathodes			
12:00-14:00			Lunch	Lunch	Lunch		Lunch	Lunch
14:00-14:35	Registration		N1-N5 Room2	M2 (Conference Room 8) Chair: Xianran Xing	M2 (Conference Room 8) Chair: Kanta Ono	M2 (Conference Room 8) Chair: Cong Wang	M2 (Conference Room 8) Chair: Takashi Kamiyama	Tour in Dongguan (Supported by the local government)
14:35-14:55			ISW ECM	KT1 - Chris Ling (Abs. ID: 47) Structural studies of solid-state ionic conductors at the limits of diffraction and beyond	KT2 - Amit Kumar (Abs. ID: 52) Microscopic and mesoscopic understanding of magnetization reversal phenomenon by neutron diffraction and neutron depolarization	KT3 - Wen Yin (Abs. ID: 92) The preparation and irradiation effect of advanced materials for spallation/fusion materials	KT4 - Genki Kobayashi (Abs. ID: 142) Hydride ion conducting materials	
14:55-15:15			IT3 - Takashi Ohhara (Abs. ID: 77) Studies of hydrogen bonds in functional molecular crystals by single-crystal neutron diffraction at SENJU	IT8 - Fengxia Hu (Abs. ID: 172) Neutron study on magnetocaloric and abnormal thermal expansion materials	IT11 - Jiannan Li (Abs. ID: 198) Abatement of air pollution by porous materials	IT14 - Minyoung YOON (Abs. ID: 139) Application of Neutron Beams in Porous Materials' Research		
15:15-15:55		Tea break	Tea break	Tea break	Tea break	Tea break		
15:55-16:20		N1-N5 Room2	M2 (Conference Room 8) Chair: Toshio Yamaguchi	CSNS Tour	M2 (Conference Room 8) Chair: Minyoung Yoon	M2 (Conference Room 8) Chair: Songbai Han		
16:20-16:45		ISW ECM	IT4 Asami Sano-Furukawa (Abs. ID: 204) Overview and recent development of PLANET: high-pressure neutron diffractometer at MLF, J-PARC		IT12 - Yukinobu Kawakita (Abs. ID: 149) Structural Relaxation in Complex Monatomic or Binary Liquids by Means of Coherent QENS, Mode Distribution Analysis and Van Hove Function Analysis	IT15 - Ying Sun (Abs. ID: 108) Negative/near zero thermal expansion behavior with wide temperature range in antiperovskite compounds		
16:45-17:05			IT5 - Jie Ma (Abs. ID: 101) Neutron scattering study on the phonon spectra of the low thermal conductivity systems		IT13 - Jianrong Gao (Abs. ID: 41) Revisit to crystal and magnetic structure of La(Fe,Si)13 and La(Fe,Co,Si)13 using powder neutron diffraction	IT16 - Seungyub Song (Abs. ID: 138) Studies on crystal structures and anharmonic thermal vibration of thermoelectric materials Cu ₂ -xS		
17:05-18:30			CT4 - Tatiana Verzhinina (Abs. ID: 115) In situ neutron-diffraction studies of structural-phase transitions in Fe-xGa alloys on High Resolution Fourier Diffractometer		CT11 - Chengyi Yu (Abs. ID: 180) Superior zero thermal expansion alloy via "plum pudding" architecture	CT13 - Yong Yan (Abs. ID: 213) Neutron powder diffraction for the study of porous materials for adsorption and separation		
18:30-20:00		Free discussions Reception dinner	Poster	Afternoon break	Afternoon break	Dinner		
			Dinner	Banquet	Dinner	Dinner		

Program Sorted By Session M3

Dec 02-08 2023

	Dec.2	Dec.3	Dec.4	Dec.5	Dec.6	Dec.7	Dec.8	
	Hotel lobby	Room2	International conference hall	International conference hall	International conference hall	International conference hall	International conference hall	
8:30-9:15		FDM/ Registration	Opening/Memorial to John White Chair: Fangwei Wang	Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron reflectometry	Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials	
9:15-10:00			Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order	Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities	International conference hall Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source	Closing Chair: Tianjiao Liang	
10:00-10:30			Tea break	Tea break	Tea break	Tea break	Tea break	
10:30-10:55			M3 (Conference Room 9) Chair: Hideki Seto	M3 (Conference Room 9) Chair: Howard Wang	M3 (Conference Room 9) Chair: Weichao Shi	International conference hall	FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility	
10:55-11:20			IT1 - Aurel Radulescu (Abs. ID: 24) Understanding the morphology of the proton-exchange membranes over an extended length scale between local and long-range characteristic sizes by simultaneous contrast variation small- and wide-angle neutron scattering	IT5 - Stephen Holt (Abs. ID: 46) Cholesterol Content of Model Bilayers: Is it Really What we Expect? Answers from Neutron Reflectometry.	IT7 - Sung-Min Choi (Abs. ID: 127) Self-Assembly of Colloidal Nanoparticles into Supercrystals			
11:20-11:40			IT2 - Panchao Yin (Abs. ID: 125) Functional Molecular Granular Materials	IT6 - Weichao Shi (Abs. ID: 120) Electrostatic Interactions in Salt-Doped Polymers Revealed by Scattering Experiment and Theoretical Analysis	IT8 - Zhi Luo (Abs. ID: 114) Understanding the molecularly heterogeneous interfaces of nanoparticles			
11:40-12:00			CT1 - Zhuo Liu (Abs. ID: 10) Combining neutron scattering and selective deuteration to study the dynamics of surrounding matrix of soft materials	CT6 - Hanqiu Jiang (Abs. ID: 182) In-situ observation of structural transformation of photo-responsive materials with small-angle neutron scattering	CT10 - Mu Li (Abs. ID: 166) A high performance small-angle scattering simulation method with GPU acceleration			
12:00-14:00	Registration		Lunch	Lunch	Lunch	Lunch		Lunch
14:00-14:35	N1-N5		Room2	M3 (Conference Room 9) Chair: Panchao Yin	M3 (Conference Room 9) Chair: Stephen Holt	M3 (Conference Room 9) Chair: Zhi Luo		M3 (Conference Room 9) Chair: Xiangqiang Chu
14:35-14:55	ISW		ECM	KT1 - Naved Malek (Abs. ID: 91) Biocompatible Ionic Liquid based Stimuli-Responsive Soft Assemblies for the On-demand Drug Delivery (withdrawn)	KT2 - Tomoko Hirayama (Abs. ID: 81) Neutron Scattering for Understanding Tribology	KT3 - Ya-Sen Sun (Abs. ID: 51) Probing Block Copolymer/Homopolymer Blend Films by Grazing-Incidence Small Neutron Scattering and Neutron Scattering		KT4 - Xinhui Lu (Abs. ID: 56) Bulk heterojunction morphology of organic photovoltaics – a study based on grazing-incidence X-ray and neutron scattering
14:55-15:15			CT3 - Pan Chen (Abs. ID: 185) Small angle neutron scattering studies on wood biocomposites	CT8 - Che-Yi Chu (Abs. ID: 130) Nanoparticle dispersion in PMMA/SiO2 nanocomposite films studied using the small-angle X-ray and neutron scattering	CT12 - Alexey Shvetsov (Abs. ID: 158) Complementary use of molecular dynamics, SANS and SAXS methods	CT14 - Guoming Liu (Abs. ID: 187) Conformation and aggregation of conjugated polymers in solution		
15:15-15:55			CT4 - Hongyu Guo (Abs. ID: 188) Neutron Backscattering Spectrometer (NuBS) at CSNS	CT9 - Zehua Han (Abs. ID: 163) The investigation for static structures and dynamical behaviors for polystyrene during glass transition	CT13 - Changli Ma (Abs. ID: 48) Introducing a software that uses small-angle neutron scattering experiments to analyze three-dimensional structures at the nanoscale	CT15 - He Cheng (Abs. ID: 154) The multi-slit very small angle neutron scattering instrument in China Spallation Neutron Source		
15:55-16:20	N1-N5	Room2	M3 (Conference Room 9) Chair: Aurel Radulescu	CSNS Tour	M3 (Conference Room 9) Chair: Sungmin Choi	M3 (Conference Room 9) Chair: Long Ye		
16:20-16:45	ISW	ECM	IT3 - Hideki Seto (Abs. ID: 42) Quasi-Elastic Neutron Scattering Studies on Hydration Water in the Vicinity of Biomolecules and Biocompatible Molecules		IT9 - Howard WANG (Abs. ID: 132) Multimodal Multiscale Neutron Measurements on Batteries	IT12 - Xiangqiang Chu (Abs. ID: 159) Investigation of Protein Dynamics and its Relation with Enzymatic Activity by Neutron Scattering		
16:45-17:05			IT4 - Liang Hong (Abs. ID: 153) Universal dynamical transition of hydration water		IT10 - Long Ye (Abs. ID: 78) Unraveling the solution aggregation structure of conjugated polymer blends	IT13 - Naisheng Jiang (Abs. ID: 75) Solution Self-assembly of Peptoid Polymers Investigated by Small Angle Scattering		
17:05-18:30			CT5 - Jiang Xin (Abs. ID: 167) The structure change of SARS-CoV-2 nsp8 studied by Small Angle scattering		IT11 - Dong Liu (Abs. ID: 35) Contrast variation and in situ SANS studies on the correlation between properties and hierarchical structures of filled rubber			
18:30-20:00	Free discussions Reception dinner		Poster	Banquet	Afternoon break	Afternoon break		
			Dinner		Dinner	Dinner		

Program Sorted By Session M4

Dec 02-08 2023

	Dec.2	Dec.3	Dec.4	Dec.5	Dec.6	Dec.7	Dec.8	
	Hotel lobby	Room2	International conference hall	International conference hall	International conference hall	International conference hall	International conference hall	
8:30-9:15		FDM / Registration	Opening/Memorial to John White Chair: Fangwei Wang	Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron reflectometry	Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials	
9:15-10:00			Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order	Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities	International conference hall Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source	Closing Chair: Tianjiao Liang	
10:00-10:30			Tea break	Tea break	Tea break	Tea break	Tea break	
10:30-10:55			M4 (Conference Room 2) Chair: ShiLei Li IT1 - Stefanus Harjo (Abs. ID: 61) Neutron diffraction analysis method to elucidate deformation mechanisms of metals with multimodal-structures and -deformation modes	M4 (Conference Room 2) Chair: Fengyan Zhao IT6 - Gang Wang (Abs. ID: 229) Reconfigurable lattices in a high-entropy alloy with three-dimensional honeycomb cellular regions	M4 (Conference Room 2) Chair: Weijia Gong IT9 - Si Lan (Abs. ID: 80) In-situ neutron scattering study of plastic deformation mechanism in a high-entropy alloy with nanoscale structure heterogeneity	FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility		
10:55-11:20			IT2 - Bo Chen (Abs. ID: 191) Characterisation of Residual Stress, Intergranular Strain and Microstructure by Neutron Techniques	IT7 - Feng Xu (Abs. ID: 226) Internal mechanical mechanisms and materials design	IT10 - Xiaolong Liu (Abs. ID: 96) Introduction to the Engineering and Scientific Stress Diffractometer at China Advanced Research Reactor and its application			
11:20-11:40			CT1 - Linfeng He (Abs. ID: 233) The current status of neutron imaging project at CARR	CT5 - Hang Li (Abs. ID: 211) Progress of Neutron Imaging at Institute of Nuclear Physics and Chemistry	CT8 - Xiaohu Li (Abs. ID: 161) The new Engineering Material Diffractometer (EMD) at China Spallation Neutron Source			
11:40-12:00			CT2 - Jianbo Gao (Abs. ID: 57) Residual stress measurements on dissimilar metal welding pipe for nuclear power plant	CT6 - Guiyi Wu (Abs. ID: 60) Study on the distribution law of welding residual stress under elastic stability	CT9 - Lijiu Wang (Abs. ID: 22) High-precision neutron diffraction measurement using an industrial robot at the STRESS-SPEC instrument			
12:00-14:00	Registration		Lunch	Lunch	Lunch		Lunch	Lunch
14:00-14:35	N1-N5		Room2	M4 (Conference Room 2) Chair: Stefanus Harjo	M4 (Conference Room 2) Chair: Gang Wang	M4 (Conference Room 2) Chair: Si Lan	M4 (Conference Room 2) Chair: Yanxu Wang	Tour in Dongguan (Supported by the local government)
14:35-14:55	ISW		ECM	KT1 - Takenao Shinohara (Abs. ID: 68) Development and application of pulsed neutron imaging at J-PARC MLF	KT2 - Soo Yeol Lee (Abs. ID: 49) Fatigue Properties of Entropy Alloys Manufactured by Hot-Rolling and Additive Manufacturing	KT3 - E-wen Huang (Abs. ID: 86) Using Neutron Diffraction Investigating Fatigue Behavior of Advanced Metallic Systems	KT4 - Maxim Avdeev (Abs. ID: 136) Engineering and Industrial Research at the Australian Centre for Neutron Scattering	
14:55-15:15			IT3 - ShiLei Li (Abs. ID: 230) Residual stress measurement of titanium weld blade by neutron and synchrotron X-ray diffraction techniques	IT8 - Fengyan Zhao (Abs. ID: 225) The archaeometallurgical study on metal arrows through non-destructive neutron techniques	IT11 - Jie Chen (Abs. ID: 219) Construction and application progress of Energy Resolved Neutron Imaging Instrument (ERNI) of CSNS	IT14 - Juan Mu (Abs. ID: 222) The influence of fractal structure on the deformation mechanism of Ti alloy		
15:15-15:55		Tea break	Tea break	CSNS Tour	Tea break	Tea break		
15:55-16:20	N1-N5	Room2	M4 (Conference Room 2) Chair: Bo Chen			M4 (Conference Room 2) Chair: Xiaolong Liu	M4 (Conference Room 2) Chair: Juan Mu	
16:20-16:45	ISW	ECM	IT4 - Guangai Sun (Abs. ID: 227) Recent Progress of Neutron Scattering Instrumentations and Applications in China Mianyang Research Reactor(CMRR)			IT12 - Weijia Gong (Abs. ID: 93) Neutron imaging of hydrogen in nuclear fuel claddings	IT15 - Yanxu Wang (Abs. ID: 100) Origins of internal stress during phase transformation in carbon steels	
16:45-17:05			IT5 - Runxia Li (Abs. ID: 206) Effect of heat treatment and Er element on the microstructure and properties of AlSiMg alloy prepared by SLM forming			IT13 - Zhiliang Hu (Abs. ID: 231) Atmospheric neutron irradiation spectrometer and its industrial application	IT16 - Shengchuan Wu (Abs. ID: 228) Neutron diffraction gradient stress measurement and life evaluation of induction hardened railway S38C axles	
17:05-18:30			CT4 - Xin Xu (Abs. ID: 232) Nanostructure of Phase Separation in Stainless Steels Studied by SANS			CT11 - Wenli Song (Abs. ID: 238) Probing deformation behavior of the TiZrHfNb-based refractory high-entropy alloys using in-situ neutron diffraction	CT13 - Dandan Zhao (Abs. ID: 141) Time-of-flight neutron diffraction study of residual stress and grain refinement mechanism in rapidly solidified pure Ni	
18:30-20:00	Free discussions Reception dinner		Poster	Banquet	Afternoon break	Afternoon break		
			Dinner		Dinner	Dinner		

Program Sorted By Session M5

Dec 02-08 2023

	Dec.2	Dec.3	Dec.4	Dec.5	Dec.6	Dec.7	Dec.8
	Hotel lobby	Room2	International conference hall	International conference hall	International conference hall	International conference hall	International conference hall
8:30-9:15			Opening/Memorial to John White Chair: Fangwei Wang	Chair: Xunli Wang PL2 - Yusheng Zhao (Abs. ID: 19) The Development of Neutron Techniques at Extreme Conditions and the High-Pressure Neutron Diffractometer at China Spallation Neutron Source	AONSA Prize Ceremony Yasuhiko Fujii (Abs. ID: 74) Small Science at Large Facilities	Chair: Jamie Schulz PL5 - Erica Wanless (Abs. ID: 30) Illuminating the structure of polymer brushes with neutron reflectometry	Chair: Tianjiao Liang PL6 - Yandong Wang (Abs. ID: 43) Engineering Four Kinds of Stresses in Materials
9:15-10:00			Chair: Taku Sato PL1 - Takahisa Arima (Abs. ID: 170) Multiple-Wavevector Magnetic Order	Chair: Kenji Nakajima PL3 - Je-Geun Park (Abs. ID: 97) Neutron scattering in the era of new challenges: quantum science and Van der Waals magnets	Chair: Takashi Kamiyama PL4 - Yoshie Otake (Abs. ID: 20) RIKEN Accelerator-driven compact neutron systems, and their capabilities	International conference hall Chair: Toshiya Otomo FR1: Sheng Wang (Abs. ID: 235) Current Status and Prospects of China Spallation Neutron Source	Closing Chair: Tianjiao Liang
10:00-10:30			Tea break	Tea break	Tea break	Tea break	
10:30-10:55		FDM / Registration	M5 (Conference Room 3) Chair: Seiko Ohira-Kawamura IT1 : Yoshihisa Ishikawa (Abs. ID: 107) Design and performance of a TOF single crystal diffractometer SENJU at J-PARC IT2: Yuqing Li (Abs. ID: 181) Development of Neutron Optics Devices and Sample Environment at China Advanced Research Reactor	M5 (Conference Room 3) Chair: Jie Chen IT5: Haiyang Yan (Abs. ID: 150) Polarized neutrons, polarized 3He, and new physics beyond the Standard Model IT6: Takashi Ino (Abs. ID: 106) Polarized 3He neutron spin filters at J-PARC	M5 (Conference Room 3) Chair: Zhijia Sun IT8 : Changqing Feng (Abs. ID: 199) A Flexible Electronics System for the Readout of MTPC and MCP Detectors at CSNS Back-n IT9 : Shifeng Zhou (Abs. ID: 197) Photonic glass and fiber for radiation detection	International conference hall FR2 (30mins): Kenji Nakajima (Abs. ID: 79) Neutron Science at JRR-3 - Overview, Recent Outcomes and Future Prospects FR3 (30mins): Jamie Schulz (Abs. ID: 237) Update from the Australian Centre for Neutron Scattering, ANSTO FR4 (30mins): Young-Soo Han (Abs. ID: 192) Current Status of HANARO Neutron Beam Facility	
10:55-11:20			CT1: Le Kang (Abs. ID: 152) High Pressure Instrument at CSNS	CT6: Tianhao Wang (Abs. ID: 184) Status of polarized neutron in-house development at the China Spallation Neutron Source	CT9: Hongbin Liu (Abs. ID: 221) Advancements in Readout Electronics for the Detector of Neutron Instruments at China Spallation Neutron Source		
11:20-11:40			CT2: Chihiro Iwamoto (Abs. ID: 102) Development of time-of-flight neutron diffraction technique based on compact neutron source towards stress measurement (withdrawn)	CT7: Vladislav Syromyatnikov (Abs. ID: 58) The possibilities of a compact neutron supermirror transmission polarizer	CT10: Hongxia Zhang (Abs. ID: 9) Highly aligned pyrolytic graphite blades for focusing monochromator and analyzer		
11:40-12:00							
12:00-14:00	Registration	Lunch	Lunch	Lunch	Lunch	Lunch	
14:00-14:35		N1-N5 Room2	M5 (Conference Room 3) Chair: Anna Sokolova	M5 (Conference Room 3) Chair: Vadim Skoy	M5 (Conference Room 3) Chair: Anton Stampfl	M5 (Conference Room 3) Chair: Kenji Mishima	
14:35-14:55		ISW ECM	KT1 - Seiko Ohira-Kawamura (Abs. ID: 151) Upgrade history of cold-neutron disk-chopper spectrometer AMATERAS CT3: Yukinobu Kawakita (Abs. ID: 144) Present Status on DNA ToF backscattering spectrometer in MLF, J-PARC	KT2 - Anna Sokolova (Abs. ID: 89) Bilby – and Australian time-of-flight Small Angle Neutron Scattering instrument: its complexity, benefits and successful stories IT7: Jianrong Zhou (Abs. ID: 193) Status of the neutron detectors for instruments at China Spallation Neutron Source	KT3 - Kenji MISHIMA (Abs. ID: 169) Fundamental physics with neutrons IT10 : Vadim Skoy (Abs. ID: 39) About a Test of the Relativity Principle in a Free Neutron Beta-Decay	KT4 - Wei Bao (Abs. ID: 76) A complimentary suite of cold neutron inelastic spectrometers designed for new materials research IT12: Anton Stampfl (Abs. ID: 36) A semiempirical Hartree Fock method to calculate the neutron scattering function	Tour in Dongguan (Supported by the local government)
14:55-15:15			CT4: Haitao Hu (Abs. ID: 234) Status of Sample Environment at China Spallation Neutron Source	CT8: Ping Wang (Abs. ID: 157) The progress of neutron chopper development for CSNS	CT11: Ming Tang (Abs. ID: 209) Introduce to the data system of CSNS	IT13: Tatsushi Shima (Abs. ID: 113) Search for new gravity-like interaction in the sub-micron range with small-angle neutron scattering	
15:15-15:55		Tea break	Tea break		Tea break	Tea break	
15:55-16:20		N1-N5 Room2	M5 (Conference Room 3) Chair: Toru Ishigaki IT3 : Christian Schanzer (Abs. ID: 63) Status of neutron optics using novel concepts and substrate materials		M5 (Conference Room 3) Chair: Tianfu Li IT11: Evgenii Altyntbaev (Abs. ID: 8) Development of neutron instrument components by NRC "KURCHATOV INSTITUTE" - PNPI	M5 (Conference Room 3) Chair: Christian Schanzer IT14: Aurel Radulescu (Abs. ID: 25) 3He neutron PSD prototype for the wide-angle option of the KWS-2 SANS diffractometer with extended Q-range at the Jülich Centre for Neutron Science	
16:20-16:45		ISW ECM	IT4: Hodaka Kikuchi (Abs. ID: 119) Development of next-generation triple-axis spectrometer HODACA in JRR-3 CT5: Baihua Wang (Abs. ID: 66) Current status of a newly high-resolution stress and texture neutron diffractometer HETU at China Mianyang Research Reactor (withdrawn)	CSNS Tour	CT12: Haiyun Teng (Abs. ID: 244) A Generic High-Performance Framework for Neutron Spectrometers Data Flow Based on the Distributed Stream-Processing Platform	CT14: Zhenhong Tan (Abs. ID: 242) Physical Design of Radial Collimator for High-Resolution Neutron Diffractometer at China Spallation Neutron Source	
16:45-17:05					CT13: Vladimir Voronin (Abs. ID: 11) Reactor PIK complex	CT15: Liubov Azarova (Abs. ID: 18) Small-angle neutron scattering instruments at the PIK reactor	
17:05-18:30		Free discussions	Poster		Afternoon break	Afternoon break	
18:30-20:00		Reception dinner	Dinner	Banquet	Dinner	Dinner	

Scientific Poster Session M1 – M5

Dec 02-08 2023

Name	Affiliation	Scientific Field	Abstract title	ID
Daria Skanchenko	Petersburg Nuclear Physics Institute	M1-Condensed Matter Physics	Evolution of the skyrmion lattice in MnGe-based compounds under high pressure	7
Liubov Azarova	Saint Petersburg State University	M1-Condensed Matter Physics	Dispersion relation in amorphous ferromagnets	17
Sungkyun Park	Pusan National University	M1-Condensed Matter Physics	Symmetry Stabilization of Orthoferrite Epitaxial Thin Films	32
Feihao Pan	Renmin University	M1-Condensed Matter Physics	Multiple magnetic transitions and complex magnetic structures in Fe ₂ SiSe ₄ with the sawtooth lattice	45
Xin Li	CMRR	M1-Condensed Matter Physics	Yinglong a new thermal triple-axis spectrometer at CMRR	84
Andrei Gubkin	M. N. Mikheev Institute of Metal Physics	M1-Condensed Matter Physics	Spin-slip magnetic phase in Ho ₃ Co evidenced by neutron diffraction	85
Pavel Savchenkov	National Research Nuclear University MEPhI	M1-Condensed Matter Physics	Uncommon magnetism in rare-earth intermetallic compounds: neutron spectroscopy data	105
Yongheng Li	Beijing Institute of Technology	M1-Condensed Matter Physics	Phonon coherence induced glass-like thermal conductivity of bismuth-halide Cs ₃ Bi ₂ Br ₉	123
Sergei Sumnikov	Joint Institute for Nuclear Research	M1-Condensed Matter Physics	Bulk and surface phase effects in the Fe-Ga magnetostrictive alloy	129
Otkur Omar	USTC	M1-Condensed Matter Physics	Understanding the spin correlations in the 5d ₂ Re-based double perovskites	135
Han Wang	USTC	M1-Condensed Matter Physics	Spin dynamics in the trimer-host compound Dy ₃ Ru ₄ Al ₁₂	147
Xiaoying Zheng	Zhejiang University	M1-Condensed Matter Physics	Inelastic neutron scattering and muon spin relaxation investigations of the deuterated Kondo lattices CeNiSnD _x	224
Haifeng Li	University of Macao	M1-Condensed Matter Physics	Chromates: crystal growth, magnetism, and ferroelectricity	236
Junwei Li	IHEP	M2-Materials Science and Chemistry	Phase Transition of AgTaO ₃ using High-Resolution Neutron Diffraction	23
Erik Walz	STRESS-SPEC Group, Research Reactor FRM-2 Munich, Germany	M2-Materials Science and Chemistry	Influence of process parameters on microstructure and residual stress in alloys produced by additive manufacturing	67
Gaoqing Hang	Guilin University of Technology	M2-Materials Science and Chemistry	Enhanced Oxygen Ion Conductivity and Mechanistic visualization in Pr _{1-x} Sr _x VO _{4-0.5x}	116
YOUNGHU SON	Kyungpook National University	M2-Materials Science and Chemistry	Magnetic Structure and Thermal Dynamic Analysis in Water-Coordinated Coordination Polymers	118

Zhuanfang Jing	Qinghai Institute of Salt Lakes, Chinese Academy of Sciences	M2-Materials Science and Chemistry	Translational Diffusion of Water Molecule in Aqueous Alkali Metal Chloride Solutions under Pressure by Quasielastic Neutron Scattering	146
keke chai	Qinghai Institute of Salt Lakes, Chinese Academy of Sciences	M2-Materials Science and Chemistry	Structure of Ethaline by X-ray and Neutron Scattering with Isotopic Substitution	148
Baohu Wu	Forschungszentrum Juelich, Juelich Centre for Neutron Science (JCNS)	M2-Materials Science and Chemistry	KWS-X: A Powerful SAXS/WAXS Facility at JCNS-MLZ	168
Dong Zhang	IHEP	M2-Materials Science and Chemistry	Zero Thermal Expansion in NdBaCo ₂ O _{5.5+x}	179
Roman Vasin	Joint Institute for Nuclear Research	M2-Materials Science and Chemistry	Neutron diffraction texture analysis in studies of elastic anisotropy of rocks	207
Sheng Cheng	CSNS	M2-Materials Science and Chemistry	Polarized neutron reflectometry study on the modulation of resistance and magnetism in resistive switching cobalt ferrite thin films	216
Jong Dae Jang	Korea Atomic Energy Research Institute	M3-Soft Matter and Life Science	A SANS study on the complex structure of CdSe QDs-block copolymers with emission energy manipulation	13
Baohu Wu	Forschungszentrum Juelich, Juelich Centre for Neutron Science (JCNS)	M3-Soft Matter and Life Science	KWS-3 very small-angle neutron scattering focusing diffractometer at MLZ	69
Yongfeng Ye	Shanghai Jiaotong University	M3-Soft Matter and Life Science	Direct observation of mutual coupling effect in protein-water-glycerol mixture by combining neutron scattering and selective deuteration	117
Yuqing Li	IHEP	M3-Soft Matter and Life Science	Structure and dynamics of supercooled water in the hydration layer of poly(ethylene glycol)	164
Jun Wang	IHEP	M3-Soft Matter and Life Science	Multilevel junctions of block copolymer self-assembly are studied using SANS	186
Paul Michalski	Monash University	M3-Soft Matter and Life Science	Application of Neutron Spectroscopy and Imaging to Reveal Drying Behaviour and Preservation of Australian Native Fruits	201
Sophia Mokhova	National research center "Kurchatov institute" - Petersburg Nuclear Physics Institute	M4-Engineering and Industrial Applications	Recent results of department for neutron radiation detector development of National research center "Kurchatov Institute" - Petersburg Nuclear Physics Institute named by B.P. Konstantinov	14
Fangzhou Song	Japan Atomic Energy Agency	M4-Engineering and Industrial Applications	Water/ice identification in a model PEFC using energy-selective high-resolution neutron imaging	29

Scientific Poster Session M1 – M5

Dec 02-08 2023

Hobyung Chae	Korea Atomic Energy Research Institute	M4-Engineering and Industrial Applications	Competitive behavior between TWIP and TRIP in 17Mn-0.5C steel under cyclic loads	34
Stefanus Harjo	Japan Atomic Energy Agency	M4-Engineering and Industrial Applications	Pulsed neutron diffractometer for engineering materials studies in J-PARC	62
Xiangyu Sun	Institute of High Energy Physics	M4-Engineering and Industrial Applications	Design of high-precision four-blade slit device under strong magnetic environment	95
Toru Ishigaki	CROSS, NIAPC	M4-Engineering and Industrial Applications	Analysis of in-situ neutron diffraction data for laminate LIB by iMATERIA	99
Boshi Yan	China Institute of Atomic Energy	M4-Engineering and Industrial Applications	In Situ Characterization of 17-4PH Stainless Steel by Small-Angle Neutron Scattering	121
Zehua Han	Institute of High Energy Physics, CAS	M5-Fundamental Physics, Sources, Methods and Techniques	The VSANS instrument in CSNS – current situation and future development	28
Stephen Holt	Australian Nuclear Science and Technology Organisation	M5-Fundamental Physics, Sources, Methods and Techniques	Surface and Interface Science at the ACNS	53
Jongyul Kim	Korea Atomic Energy Research Institute	M5-Fundamental Physics, Sources, Methods and Techniques	The status of neutron imaging instruments at HANARO	54
Mingzhao Xing	Graduate School of China Academy of Engineering Physics	M5-Fundamental Physics, Sources, Methods and Techniques	Dynamics of Electrons in Neutron Scattering with Hydrogen Atom	94
Yaoxuan Cui	Institute of Modern Physics, Chinese Academy of Sciences	M5-Fundamental Physics, Sources, Methods and Techniques	Sensitivity Study of NRTA in Spent Fuel Transmutation Detecting	110
June Hyuk Lee	Korea Atomic Energy Research Institute	M5-Fundamental Physics, Sources, Methods and Techniques	REF-V - Cold Neutron Reflectometer at HANARO	137

Ni Yang	Institute of High Energy Physics, Chinese Academy of Sciences	M5-Fundamental Physics, Sources, Methods and Techniques	Reproduction of Neutron Scattering Experiments by Monte Carlo Simulations	176
Songwen Xiao	Institute of High Energy Physics, CAS	M5-Fundamental Physics, Sources, Methods and Techniques	Mechanical design and construction of the very small angle neutron scattering instrument in CSNS	183
Yifeng Xiang	University of Science and Technology of China	M5-Fundamental Physics, Sources, Methods and Techniques	Theoretical Investigation of Magnetic Structures in Iron Oxide Nanoparticles Using SANS with 3He Polarization Analysis	208
Jianshu Hong	IHEP	M5-Fundamental Physics, Sources, Methods and Techniques	Development of a Universal User Service System for Neutron Scattering	223
Mengjia Dou	IHEP/CSNS	M5-Fundamental Physics, Sources, Methods and Techniques	Current performance of in-situ experimental conditions for CSNS	241
Chenyang Wang	IHEP/CSNS	M5-Fundamental Physics, Sources, Methods and Techniques	Sample environment of neutron scattering for in situ catalysis study	243
Bin Tang	IHEP/CSNS	M5-Fundamental Physics, Sources, Methods and Techniques	The scintillator neutron detectors for neutron scattering instruments in CSNS	245
Konstantin Pavlov	NRC “KI” - PNPI	M5-Fundamental Physics, Sources, Methods and Techniques	Monte Carlo simulations of TOF SANS instruments at DARIA CANS and IBR-2M reactor	194

PARTICIPANT LIST

Dec 02-08 2023

Participant List (sorted in alphabetical order by first name)		
No.	Name	Institution
1	Abdullah Shehada	Chechen state pedagogical university
2	Ahmed Salman	IHEP,CAS
3	Aini Xu	Institute of Physics, CAS
4	Alexander Frank	Joint Institute for Nuclear Research
5	Alexander Kurbakov	NRC PNPI
6	Alexey Shvetsov	NRC PNPI
7	Alisa Tatarinova	Joint Institute for Nuclear Research
8	Amit Kumar	Bhabha Atomic Research Centre
9	Andrei Gubkin	M.N. Mikheev Institute of Metal Physics
10	Andrei Solovev	LLC Neutron Technologies
11	Anna Matveeva	NRC PNPI
12	Anna Sokolova	ANSTO
13	Anton Stampfl	ANSTO
14	Anucha Koedtruad	IHEP,CAS
15	Ao Wang	Hebei University of Technology
16	Arpita Rana	Banaras Hindu university Varanasi
17	Arsen Goukassov	CEA-CNRS
18	Asami Sano-Furukawa	J-PARC Center
19	Aurel Radulescu	Forschungszentrum Jülich GmbH
20	Bai Bo	IHEP, CAS
21	Baihua Wang	Shanghai Jiaotong University
22	Bao Yuan	IHEP,CAS
23	Baohu Wu	Forschungszentrum Jülich/JCNS
24	Baoyu Wang	IHEP,CAS
25	Bekarys Yerzhanov	JINR FLNP
26	Benqiong Liu	Institute of Nuclear Physics and Chemistry (INPC), CAS
27	Bin Tang	IHEP,CAS
28	Bin Wang	IHEP,CAS
29	Bing Li	Institute of Metal Research, CAS
30	Bo Chen	University of Leicester
31	Bo Chen	University of Leicester
32	Bo Ma	IHEP,CAS

33	Bo Zhang	Nanjing University
34	Boyang Gu	IHEP,CAS
35	Chang Liu	Institute of Physics, CAS
36	Changfeng Li	IHEP,CAS
37	Changli Ma	IHEP,CAS
38	Changqing Feng	University of Science and Technology of China
39	Chao Ding	IHEP,CAS
40	Chaoju Yu	IHEP,CAS
41	Cheng Wu	Xi'an Academy of Conservation and Archaeology
42	Chengyi Yu	University of Science and Technology Beijing
43	Chenyang Wang	IHEP,CAS
44	CheYi Chu	National Chung Hsing University
45	Chihiro Iwamoto	RIKEN
46	Chris Ling	The University of Sydney
47	Christian Schanzer	SwissNeutronics AG
48	Chuanlong Lin	Center for High Pressure Science & Technology Advanced Research
49	Chun-Chuen Yang	National Central University
50	Chunming Hu	IHEP,CAS
51	Chunyong He	IHEP,CAS
52	Clemens Ulrich	University of New South Wales
53	Cong Wang	Beihang University
54	Daichi Ueta	High Energy Accelerator Research Organization
55	Dandan Zhao	Dongguan University of Technology
56	Danfeng Li	City University of Hong Kong
57	Dapeng Jin	IHEP,CAS
58	Daria Skanchenko	NRC PNPI
59	Dong Liu	Institute of Nuclear Physics and Chemistry (INPC), CAS
60	Dong Zhang	IHEP,CAS
61	Dongfeng Chen	China Institute of Atomic Energy
62	Dongxu Zhao	IHEP,CAS
63	Egor Lychgain	Joint Institute for Nuclear Research
64	Enyue Zhao	Songshan Lake Materials Laboratory
65	Erica Wanless	University of Newcastle
66	Erik Walz	TUM FRM II

PARTICIPANT LIST

Dec 02-08 2023

67	Erxi Feng	IHEP,CAS
68	Evgenii Altynbaev	NRC PNPI
69	E-Wen Huang	National Yang Ming Chiao Tung University
70	Fangwei Wang	IHEP,CAS
71	Fangzhou Song	Japan Atomic Energy Agency/ J-PARC
72	Feihao Pan	Renmin University of China
73	Fengjin Qu	IHEP,CAS
74	Fengxia Hu	Institute of Physics, CAS
75	Fengyan Zhao	Xi'an Academy of Conservation and Archaeology
76	Gang Wang	Shanghai University
77	Gaoqing Hang	Guilin University of Technology
78	Genki Kobayashi	RIKEN
79	German Kulin	Joint Institute for Nuclear Research
80	Gexin Chen	IHEP,CAS
81	Guang Wang	IHEP,CAS
82	Guangai Sun	CMRR
83	Guiyi Wu	Centre of Excellence for Advanced Materials
84	Guoming Liu	Institute of Chemistry, CAS
85	Haibiao Zheng	IHEP,CAS
86	Haifeng Li	University of Macau
87	Hailong Shi	Harbin Institute of Technology
88	Haitao Hu	IHEP,CAS
89	Haiyan He	Great Bay University
90	Haiyang Yan	China Academy of Engineering Physics
91	Haiyun Teng	IHEP,CAS
92	Han Wang	University of Science and Technology of China
93	Hang Li	Institute of Nuclear Physics and Chemistry, China Academy of Engineering Physics
94	Hanjie Guo	Songshan Lake Materials Laboratory
95	Hanqiu Jiang	IHEP,CAS
96	Hao Deng	ShanghaiTech University
97	Hao Deng	Shanghai Tech University
98	He Cheng	IHEP,CAS
99	Hesheng Chen	IHEP,CAS
100	Hideki Seto	KEK

101	Hobyung Chae	Korea Atomic Energy Research Institute
102	Hodaka Kikuchi	University of Tokyo
103	Hongbin Liu	IHEP,CAS
104	Hongliang Wang	China Institute of Atomic Energy
105	Honglin Zhou	Institute of Physics, CAS
106	Hongtao Shen	Guangxi Normal University
107	Hongxia Zhang	Renmin University of China
108	Hongyu Guo	IHEP,CAS
109	Howard Wang	IHEP,CAS
110	Hsiung Chou	National Sun Yat-sen University
111	Huaican Chen	IHEP,CAS
112	Hui Cheng	IHEP,CAS
113	Huibin Zhou	IHEP,CAS
114	Huiqiang Ying	Nanjing University of Technology
115	Hyungsub Kim	Korea Atomic Energy Research Institute
116	Igor Zobkalo	NRC PNPI
117	Igor Zobokalo	Petersburg Nuclear Physics Institute
118	Jae-Ho Chung	Korea University
119	Jamie Schulz	ANSTO
120	Je Geun Park	Seoul National University
121	Jiajie Li	IHEP,CAS
122	Jian Tang	IHEP,CAS
123	jian zhuang	IHEP,CAS
124	Jianbo Gao	Centre of Excellence for Advanced Materials
125	Jiang Xin	City university of Hong Kong
126	Jiangnan Li	University of Manchester
127	Jianrong Gao	Northeastern University
128	Jianrong Zhou	IHEP,CAS
129	Jiawang Hong	Beijing Institute of Technology
130	Jiaxin Yang	South China Agricultural University
131	Jie Chen	CMRR
132	Jie Ma	Shanghai Jiaotong University
133	Jinbo Yang	Peking University
134	Jinchen Wang	Renmin University of China
135	Jingfeng Han	Dalian Institute of Chemical Physics

PARTICIPANT LIST

Dec 02-08 2023

136	Jinghai Su	Nanjing Qinsi Technology Co., LTD
137	Jingsheng Wen	Nanjing University
138	Jinlong Jiao	Shanghai Jiaotong University
139	Jinquan Suo	Jilin University
140	Jinsheng Wen	Nanjing University
141	Jong Dae Jang	Korea Atomic Energy Research Institute
142	Jongyul Kim	Korea Atomic Energy Research Institute
143	Jun Wang	IHEP,CAS
144	Jun Zhao	Fudan University
145	Junbo Liao	Nanjing University
146	June Hyuk Lee	Korea Atomic Energy Research Institute
147	Junliang Sun	Peking University
148	Junrong Zhang	IHEP,CAS
149	Junwei Li	IHEP,CAS
150	Junying Shen	IHEP,CAS
151	Juping Xu	IHEP,CAS
152	Kaitong Sun	University of Macau
153	Kanta Ono	Osaka University
154	Keke Chai	Qinghai Institute of Salt Lakes, CAS
155	Kenji Mishima	KEK
156	Kenji Nakajima	Materials Sciences Research Center
157	Koji Kaneko	Japan Atomic Energy Agency
158	Konstantin Pavlov	NRC PNPI
159	Kun Zhang	Institute of Metal Research, CAS
160	Kuo Li	Center for High Pressure Science and Technology Advanced Research
161	Le Kang	IHEP,CAS
162	Leiming Fang	Institute of Nuclear Physics and Chemistry (INPC), CAS
163	Li Lin	IHEP,CAS
164	Li Wang	IHEP,CAS
165	Li Zhiduo	IHEP,CAS
166	Liang Hong	Shanghai Jiao Tong university
167	Liang Zhou	IHEP,CAS
168	Liangfei Bai	Institute of Nuclear Physics and Chemistry (INPC), CAS
169	Liangliang Wei	IHEP,CAS

170	Libin Ding	IHEP,CAS
171	Lihua Mo	IHEP,CAS
172	Lijie Xu	IHEP,CAS
173	Lijiu Wang	TUM FRM II
174	Lijuan Zhang	Dongguan University of Technology
175	Liming Wang	IHEP,CAS
176	Lin Li	IHEP,CAS
177	Lin Yang	Institute of Physics, CAS
178	Linfeng He	China Institute of Atomic Energy
179	LingXiang Bao	IHEP,CAS
180	Linxing Song	Institute of Physics, CAS
181	Lisi Li	IHEP,CAS
182	Liubov Azarova	NRC PNPI
183	Liusuo Wu	Southern University of Science and Technology
184	Long Yang	Tongji University
185	Long Ye	Tianjin University
186	Lyubov Ivanova	NRC PNPI
187	Maiko Kofu	J-PARC Center
188	Mariia Iuzviuk	NRC PNPI
189	Max Avdeev	ANSTO
190	Maxim Zakharov	Joint Institute for Nuclear Research
191	Maykel Manawan	National Research and Innovation Agency-Indonesia (BRIN)
192	Mengjia Dou	IHEP,CAS
193	Mengze Lu	South China University of Technology
194	Michael Schneider Schmid	SwissNeutronics AG
195	Michael Smidman	Zhejiang University
196	Michael Smidman	Zhejiang University
197	Ming Tang	IHEP,CAS
198	Mingzhao Xing	Graduate School of China Academy of Engineering Physics
199	Minyoung YOON	Kyungpook National University
200	Miwako Takahashi	University of Tsukuba
201	Mu Li	Institute of Advanced Science Facilities, Shenzhen
202	Naisheng Jiang	University of Science and Technology Beijing
203	Naved Anjum Malek	Sardar Vallabhbhai National Institute of Technology
204	Ni Yang	IHEP,CAS

PARTICIPANT LIST

Dec 02-08 2023

205	Nikolay Verlov	NRC PNPI
206	Oleg Usmanov	NRC PNPI
207	Otkur Omar	University of Science and Technology of China
208	Pan Chen	Beijing Institute of Technology
209	Panchao Yin	South China University of Technology
210	Pascale Foury-Leylekian	Universite Paris-Saclay
211	Pavel Savchenkov	NRC PNPI
212	Peixun Shen	IHEP,CAS
213	Peng Cheng	Renmin University of China
214	Pengfei Zhou	IHEP,CAS
215	Ping Miao	IHEP,CAS
216	Ping Wang	IHEP,CAS
217	Qian Wang	Institute of Metal Research, CAS
218	Qian Zhao	University of Macau
219	Qing Zhang	IHEP,CAS
220	Qingbo Zheng	IHEP,CAS
221	Qingyong Ren	IHEP,CAS
222	Qinrou Sun	Fuzhou University
223	Quan Hao	IHEP,CAS
224	Roman Vasin	Joint Institute for Nuclear Research
225	Rongchang Zhang	IHEP,CAS
226	Runxia Li	Dongguan University of Technology
227	Seiko Ohira-Kawamura	J-PARC Center
228	Sergei Sumnikov	Joint Institute for Nuclear Research
229	Sergey Grigoryev	NRC PNPI
230	Seungyub Song	KEK
231	Shang Gao	University of Science and Technology of China
232	Shaohong Wei	IHEP,CAS
233	Shaojia Chen	IHEP,CAS
234	Sheng Cheng	IHEP,CAS
235	Sheng Wang	IHEP,CAS
236	Shengchuan Wu	Southwest Jiaotong University
237	Shengxiang Wang	IHEP,CAS
238	Shengyi Zhong	Shanghai Jiaotong University
239	Shifeng Zhou	South China University of Technology

240	Shilei Li	IHEP, CAS
241	Shiliang Li	Institute of Physics, CAS
242	Shuai Dong	Nanjing University
243	Shulin Liu	IHEP,CAS
244	Shunfu Xie	IHEP,CAS
245	Shuxian li	Northeastern University
246	Shuyan Zhang	Centre of Excellence for Advanced Materials
247	Si Lan	Nanjing University of Science and Technology
248	Sihao Deng	IHEP,CAS
249	Siqin Meng	China Institute of Atomic Energy
250	Songbai Han	Southern University of Science and Technology
251	Songwen Xiao	IHEP,CAS
252	Soo Yeol LEE	Chungnam National University
253	Sophia Mokhova	NRC PNPI
254	Stefanus Harjo	J-PARC Center
255	Stephen Holt	ANSTO
256	Sungdae Ji	Korea Atomic Energy Research Institute
257	Sungkyun Park	Pusan National University
258	Sung-Min Choi	KAIST
259	Taka-hisa Arima	RIKEN
260	Takashi Ino	KEK
261	Takashi Kamiyama	IHEP,CAS
262	Takashi Ohhara	J-PARC Center
263	Takatsugu Masuda	University of Tokyo
264	Takenao Shinohara	Japan Atomic Energy Agency
265	Taku Sato	IMRAM/Tohoku University
266	Tao Xiong	IHEP,CAS
267	Taro Nakajima	University of Tokyo
268	Tatiana Glushkova	LLC Neutron Technologies
269	Tatiana Vershinina	Joint Institute for Nuclear Research
270	Tatsuro Oda	University of Tokyo
271	Tatsushi Shima	Osaka University
272	Teguh Yulius Surya Panca Putra	National Research and Innovation Agency-Indonesia (BRIN)
273	Teng Li	Fuzhou University

PARTICIPANT LIST

Dec 02-08 2023

274	Tiancheng Yi	IHEP,CAS
275	Tianci Jiang	Fuzhou University
276	Tianfu Li	China Institute of Atomic Energy
277	Tianhao Wang	IHEP,CAS
278	Tianjiao Liang	IHEP,CAS
279	Ting Liu	IHEP,CAS
280	Tomoko Hirayama	Kyoto University
281	Tong Shi	Northeastern University
282	Toru Ishigaki	CROSS NIAPC
283	Toshio Yamaguchi	Qinghai Institute of Salt Lakes, CAS
284	Toshiya Otomo	KEK
285	Vadim Skoy	Joint Institute for Nuclear Research
286	Vasilii Matveev	NRC PNPI
287	Venkataraman Thangadurai	University of Calgary
288	Vladimir Voronin	NRC PNPI
289	Vladislav Syromyatnikov	NRC PNPI
290	Vladislav Tarnavich	NRC PNPI
291	Wang Chen	IHEP,CAS
292	wang hay kan	IHEP,CAS
293	Wei Bao	City University of Hong Kong
294	Weichao Shi	Nankai University
295	Weijia Gong	Northwestern Polytechnical University
296	Weiliang Cai	IHEP,CAS
297	Weiling Huang	IHEP,CAS
298	Weizhi Wang	Beijing Institute of Technology
299	Wen Yin	IHEP,CAS
300	Wen Zhang	WuHan University
301	Wengen Zheng	IHEP,CAS
302	Wenhai Ji	IHEP,CAS
303	Wenli Song	IHEP,CAS
304	Wentao Jin	Beihang University
305	Wenting Du	IHEP,CAS
306	Werner Schweika	ESS/Forschungszentrum Jülich
307	Wolfgang Kreuzpaintner	IHEP,CAS

308	Wu Xie	IHEP,CAS
309	Xiang Luo	China Academy of Engineering Physics
310	Xiangqiang Chu	City University of Hong Kong
311	Xianran Xing	University of Science and Technology Beijing
312	Xiaobai Ma	China Institute of Atomic Energy
313	Xiaodong Zhang	IHEP,CAS
314	Xiaohu Li	IHEP,CAS
315	Xiaolong Liu	China Institute of Atomic Energy
316	Xiaoming Huang	IHEP,CAS
317	Xiaowen Hao	IHEP,CAS
318	Xiaowen Zhang	IHEP,CAS
319	Xiaoyan Yang	Guilin University of Technology
320	Xiaoying Xu	IHEP,CAS
321	Xiaoying Zheng	Zhejiang University
322	Xiaozhi Zhan	IHEP,CAS
323	Xin Jiang	City University of Hong Kong
324	Xin Li	Institute of Nuclear Physics and Chemistry
325	Xin Tong	IHEP,CAS
326	Xin Xu	Sun Yat-sen University
327	Xingxing Zhang	IHEP, CAS
328	Xinhui Lu	Chinese University of Hong Kong
329	Xinxiang Yang	Zhejiang Ocean University
330	Xinzhi Liu	Sun Yat-sen University
331	Xiuhua Fang	IHEP,CAS
332	Xiyang Li	The University of British Columbia
333	Xu Qin	IHEP,CAS
334	Xuekai Zhang	IHEP,CAS
335	Xunli Wang	City University of Hong Kong
336	Yafei Yang	IHEP,CAS
337	Yajun Yue	IHEP,CAS
338	Yandong Wang	University of Science and Technology Beijing
339	Yang Li	Institute of Physics, CAS
340	Yanwei Chen	IHEP,CAS
341	Yanxu Wang	Institute of Metal Research, CAS
342	Yanyan Shangguan	Nanjing University

PARTICIPANT LIST

Dec 02-08 2023

343	Yanyan Wang	IHEP,CAS
344	Yao Shen	Institute of Physics, CAS
345	Yaoxuan Cui	Institute of Modern Physics, CAS
346	Ya-Sen Sun	National Cheng Kung University
347	Yasuhiko Fujii	University of Tokyo
348	Yaxian Sun	Naition Cheng Kung University
349	Yifeng Xiang	University of Science and Technology of China
350	Yili Sun	Institute of Physics, CAS
351	Ying Sun	Beihang University
352	Yingguo Xiao	Peking University
353	Yingxia Wang	Peking University
354	Yixi Su	Forschungszentrum Jülich
355	Yong Yan	South China Normal University
356	Yong Zhang	IHEP,CAS
357	Yongfeng Ye	Shanghai Jiaotong University
358	Yonggang Wang	IHEP,CAS
359	Yongheng Li	Beijing Institute of Technology
360	Yongquan Zhou	Qinghai Institute of Salt Lakes, CAS
361	Yongxiang Qiu	IHEP,CAS
362	Yoran Toonen	Amsterdam Scientific Instruments B.V.
363	Yoshie Otake	RIKEN
364	Yoshihisa Ishikawa	Neutron Science and Technology Center-CROSS
365	Younghu Son	Kyungpook National University
366	Young-Soo Han	Korea Atomic Energy Research Institute
367	Yt Cao	Songshan Lake Materials Laboratory
368	Yu Feng	IHEP,CAS
369	Yu Xiao	University of Science and Technology of China
370	Yuan Sun	IHEP,CAS
371	Yuan Yao	Sun yat-sen university
372	Yuanbai Chen	IHEP,CAS
373	Yuanguang Xia	IHEP,CAS
374	Yubin Ke	IHEP,CAS
375	Yucheng Dong	IHEP,CAS
376	Yukinobu Kawakita	J-PARC Center
377	Yuqing Li	China Institute of Atomic Energy

378	Yuqing Li	IHEP,CAS
379	Yusheng Zhao	Eastern Institute for Advanced Study
380	Yusheng Zhao	Eastern Institute for Advanced Study
381	Zehua Han	IHEP,CAS
382	ZeZhong Li	Institute of Physics, CAS
383	Zhaojie Cen	Fuzhou University
384	Zhaoyang Shan	Zhejiang University
385	Zhen Tao	Beijing Normal University
386	Zhen Yang	IHEP,CAS
387	Zhendong Fu	Songshan Lake Materials Laboratory
388	Zheng He	IHEP,CAS
389	Zheng Wang	IHEP,CAS
390	Zheng Zhang	Institute of Physics, CAS
391	Zheng Zheng	Institute of Physics, CAS
392	ZhengYao Li	China Institute of Atomic Energy
393	Zhenhong Tan	IHEP,CAS
394	Zhenhua Xie	IHEP,CAS
395	Zhenyuan Zeng	Institute of Physics, CAS
396	Zhewen Ma	Lanzhou University of Technology
397	Zhi Luo	Southern University of Science and Technology
398	Zhijia Sun	IHEP,CAS
399	Zhijia Sun	IHEP,CAS
400	Zhiliang Hu	IHEP, CAS
401	Zhixin Wang	Graduate School of China Academy of Engineering Physics
402	Zhong Chen	China Institute of Atomic Energy
403	Zhuanfang Jing	Qinghai Institute of Salt Lakes, CAS
404	Zhuo Liu	Shanghai Jiaotong University
405	Zihang Song	Nanjing University
406	Ziru Ma	Institute of Nuclear Physics and Chemistry

SPONSORSHIP DIAMOND



“Neutron Technologies” LLC was established in 2018 in Gatchina, Leningrad region, Russia.

It is a company with great development prospects and experience related to manufacturing and implementation of engineering developments into production.

Areas of our activities:

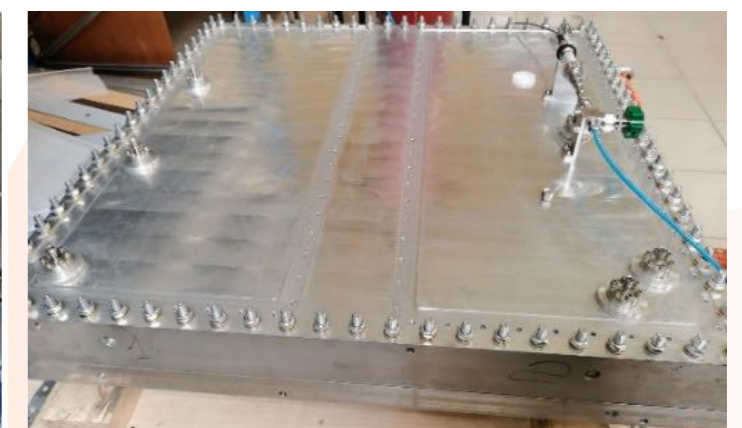
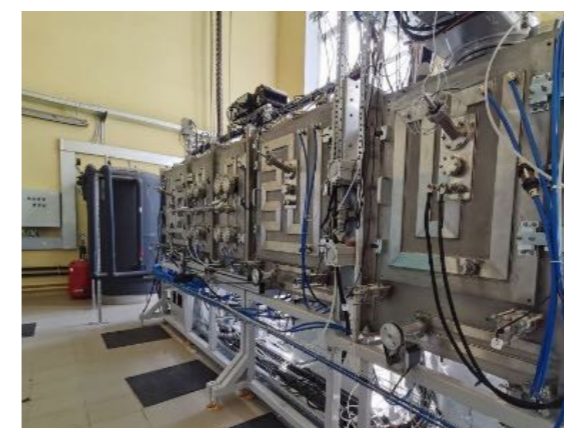
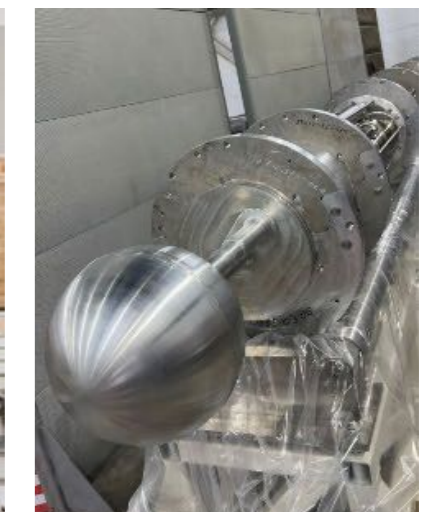
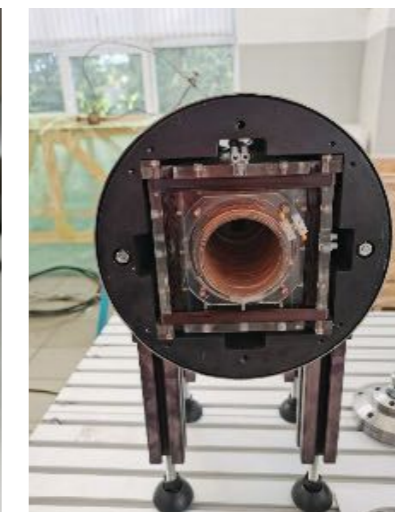
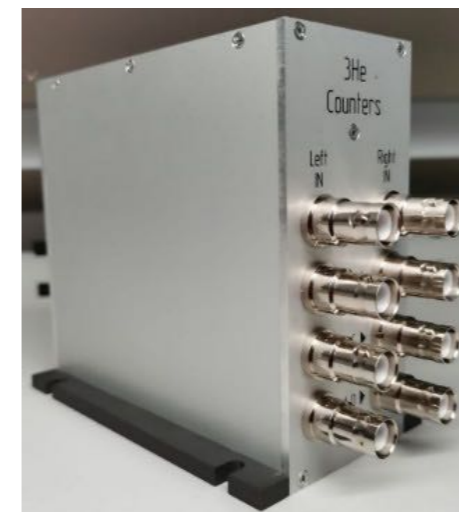
- spraying of mirror and super-mirror reflective coatings; complete cycle of glass substrates production;
- production of neutron guides of various geometries and components for neutron optics of different levels of complexity;
- production of research equipment and its components: flippers and components for magnetic systems, neutron monochromators based on single crystals, neutron polarizers and analyzers, high-pressure cells;
- production of detectors for thermal neutrons (linear gas-discharge position-sensitive counters, multi-wire proportional gas chambers, monitor-profilometers, neutron counters based on ZnS:6LiF(Ag) scintillator);
- production of signal readout electronics and signal processing electronics.
- production of manufacture of equipment for cold neutron sources and unique solutions for cryogenic pipelines.

Distinctive Features of “Neutron Technologies” LLC:

- own sputtering facility;
- own research and production base for the development and testing of equipment;
- experience in manufacturing of scientific and technical products used in physics research instruments;
- experience in project implementation from the development of design docu

mentation to the finished product;

- experience in the production of neutron guides and components of physical installations for the reactor complex PIK NRC “Kurchatov Institute” – PNPI.



SPONSORSHIP DIAMOND



Sichuan Jiutian Vacuum Technology Co., Ltd.

Sichuan Jiutian Vacuum Technology Co., Ltd.(CBVAC), founded in 2002 and with a registered capital of RMB 124,633,000, is a national high-tech enterprise and a key enterprise in China's vacuum industry. The main products are vacuum valve, diaphragm gauge, vacuum components, vacuum system integration, which is focusing on aerospace, scientific research, military and industrial applications. CBVAC is a professional vacuum technology enterprise, taking local leading position in R&D, manufacturing and service capacities.

CBVAC has the comprehensive capabilities of independent R&D, manufacturing, assembling and testing and after-sales service for various types of vacuum products. CBVAC built R&D centers in Beijing, Chengdu and San Francisco, and has 8 production workshops (12000 m²) for precision machining, precision welding and surface treatment. As the first Industrial 4.0 production capacity in local vacuum market, CBVAC is possessing a clean room of cleanliness class 1000, focusing on providing one-stop services for vacuum valves and ultra-precision/precision processing products.

SPONSORSHIP DIAMOND



SwissNeutronics AG – company profile

SwissNeutronics is the world's leading provider of advanced neutron optics, which is essential equipment for the scientific instrumentation of modern neutron research facilities. Our outstanding supermirrors, combined with sophisticated designs and high-precision machining and assembly, enable world-class neutron optical devices. The portfolio of SwissNeutronics products includes advanced optical devices for the transport, focusing and polarization of neutron beams to realize high-performance beamlines that enable leading-edge experiments in science and industry. In addition, SwissNeutronics has in-depth expertise in the neutronic and engineering design of neutron optics and complete beamlines as well as their installation.

SPONSORSHIP DIAMOND



TANSI Company Profile

Established in 2004, Nanjing TANSI Technology Co., Ltd. specializes in the sales and technical services of particle ultrafast imaging, accessories related to electron microscopes/optical microscopes/XCT, laboratory equipment, and consumables. With a highly experienced team, our core staff members have over 15 years of work experience. We are dedicated to providing excellent product quality and after-sales service to our esteemed customers. Headquartered in Nanjing, Jiangsu Province, we offer comprehensive technical support and services for the entire Chinese market, with a focus on sales in the southern region. We also have a branch office in Beijing, responsible for sales and service in northern China. Through nearly two decades of effort, our clientele spans across renowned universities, research institutes, government agencies, and corporate entities nationwide.

Product Portfolio

We have established distribution relationships with internationally renowned brands, enabling us to offer a diverse range of products in the Chinese market. Our collaborations include brands such as ASI (Netherlands, Hybrid pixel time-stamp high-speed cameras for X-ray photon and particle research); Safematic (Switzerland, electron microscope sample coating equipments); Deben (UK, cold stages, tensile stages, SEM detector accessories); Tousimis (USA, critical point dryers); JC Nability (USA, NPGS); Dragonfly (Canada, 3D image processing and analysis software); PIE (USA, tabletop and remote plasma cleaners); Micro to Nano (Netherlands, microscopy consumables); Labspinner (South Korea, extracellular vesicle separation and purification systems, exosome extraction kits); ATTO (Japan, electrophoresis gel imaging and bioluminescence detection imaging), and more. Notably, we take pride in our strategic partnership with

Amsterdam Scientific Instruments B.V. (ASI), renowned globally for its comprehensive range of detectors tailored for various particles, including electrons, photons, X-rays, neutrons, and ions. ASI's Chronos series detector cameras, produced in the Netherlands, are renowned for their unparalleled time resolution (1.56 nanoseconds), event capture speed of up to 300 million events per second, room temperature noiseless detection, and seamless data integration. These cameras, suitable for quantum science, neutron science, VMI, and mass spectrometry, utilize parallel readout technology, eliminating dead time and providing nanosecond-level event data. Additionally, the series features API-based control software and a GUI for seamless integration into experiments. ASI is synonymous with innovation. Together, we bring you highly advanced and specialized detector technologies that redefine the limits of scientific exploration.

Commitment to Excellence

At TANSI Technology Co., Ltd., we prioritize integrity in sales and exceptional service. We advocate for a corporate culture of development, authenticity, friendliness, and innovation. We continually strive to provide advanced products and services to meet the evolving needs of our customers. To demonstrate our commitment to excellence, we actively participate in academic conferences, seminars, and various exhibition events. Following the guiding principle of "providing excellent quality and service to customers," we have established a comprehensive customer tracking, document management, and customer follow-up system, achieving favorable economic and social outcomes.

We warmly welcome individuals and organizations from all walks of life to collaborate with TANSI Technology and join the TANSI family!

联系方式:

地址: 南京市中山北路 281 号新城市虹桥中心 2-728B

电话: +86 25 85432178、85432278

北京分公司: 北京海淀区上地三街金融科贸大厦 719 室

电话: +86 10-62908712

Web: www.tansi.com.cn

Amsterdam Scientific Instruments B.V. Profile

Amsterdam Scientific Instruments B.V. has detectors for all kinds of particles: electrons, photons, X-rays, neutrons and ions. We design and manufacture highly advanced and customized detector solutions for researchers that need something better than the standard solution.

SPONSORSHIP PLATINUM



Beijing Huanhe Technology Co., Ltd.

Established in 2008 and during 15 years operation, Beijing Huanhe Technology Co., Ltd. has been committed to providing high-performance radiation measurement products and services to our users. We cooperate with the world's best radiation measurement product suppliers to bring the best solutions to domestic users in scientific research, safeguards, homeland security and environmental monitoring and other application fields.

SPONSORSHIP GOLD



Hefei Everacq Technology Co., Ltd. focuses on fast electronics and modular instruments as its core technologies, targeting the common needs for precision signal acquisition in major fields such as electronic information, industrial automation, testing and measurement, marine resource exploration, and nuclear technology applications. The company provides high-end data acquisition instruments, equipment, and integrated solutions to meet the needs of its customers.

The team has developed modular electronic signal acquisition instruments with key performance indicators reaching international leading levels, and the system synchronization performance indicators are internationally advanced. Additionally, the instruments possess highly flexible and scalable capabilities to adapt to multiple application scenarios. Currently, the products have been successfully applied in various industries such as radiation detection, energy exploration, national defense, laser radar mapping, and fiber optic sensing.



The 4th Asia-Oceania Conference on Neutron Scattering

🕒 Dec 02-08, 2023 📍 Dongguan, China.

